



RECIPE APPLICATION



WAG™

Web App Generator™

Democratizing Application Development™

© Software Progressions Corporation
Walnut Creek, California

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Overview



With WAG™ everyone can create custom mobile and web apps and run them for large scale audiences – free of charge.

The types of apps that can be created with WAG™ include: Consumer, Business, Government (including GovCloud), Healthcare, Education, Non-Profits and many other verticals.

An app that takes several programmers one year to develop, takes a few days to create using WAG™ - without requiring programming experience.

WAG™ is unlike any other product on the market. WAG™ empowers people to do things that they just can't do today. We call this *democratizing application development™*.

Create your app once - and it runs on all the major desktop browsers and all the major mobile devices as a native app on, just the way Facebook can be accessed via a web browser and via a native mobile app.





Objective

If you are creating your first WAG™ app, this is a good app for that. Follow the document which will guide you step by step and you will have a great first app ready within a few minutes!

We demonstrate some great features that can be used while creating any app using WAG™. You can then continue with the next guide which explains how to add more features to this app.

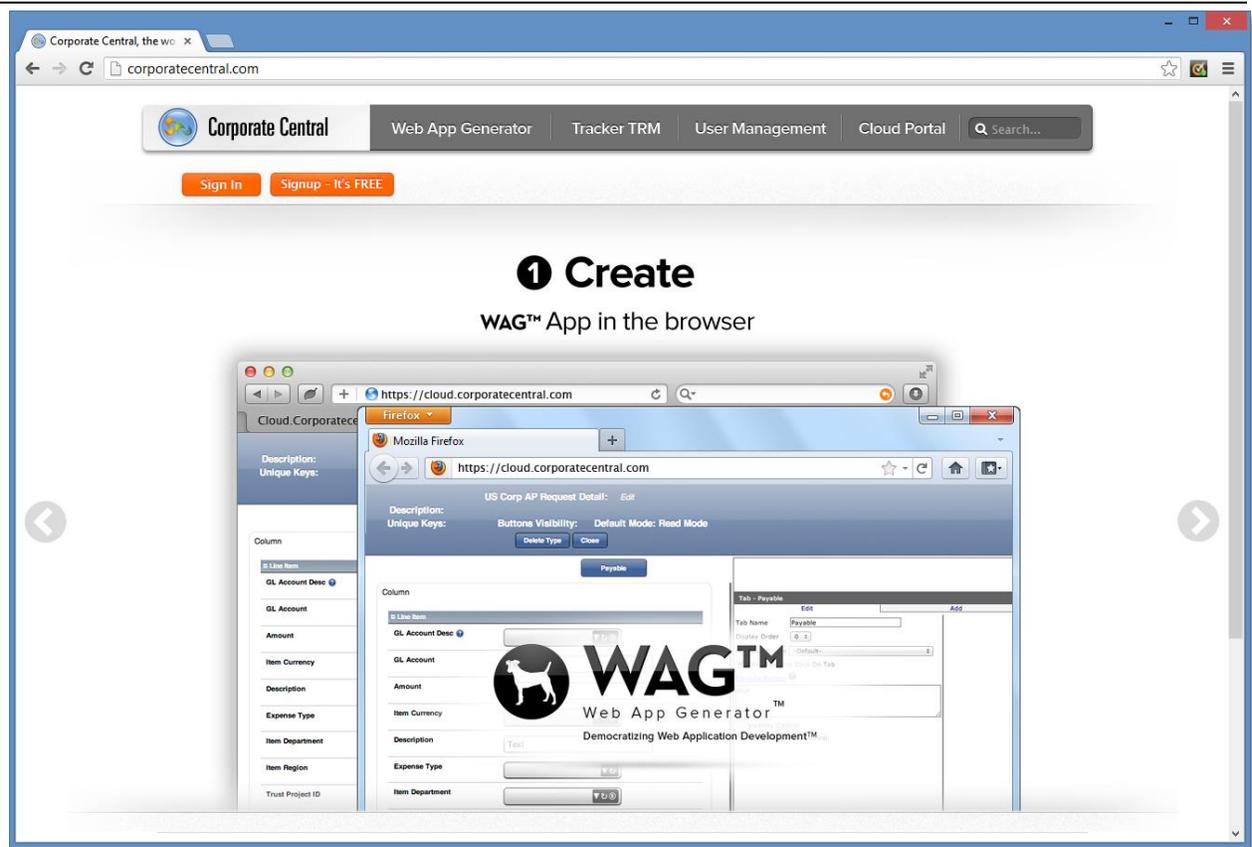
Also in this document we show you how you can use a tablet device to create your apps. In this case, we use an iPad to create parts of the app.

You can also find the video tutorial for creating the *Recipe* app at our YouTube channel.

Visit www.youtube.com/coroporatecentral

WAG™ is the World's First and Only Development Environment for Mobile Tablets!





Step 1. Getting Started With WAG™

❖ Create an Account

1. Go to www.corporatecentral.com.
2. Click the **Signup—It's FREE** button.
3. Fill out the Form with your information and click **Signup**.
4. Check your email account. You should receive an email message with a link to activate your subscription (if you don't see the email, check your spam folder).

Once you've activated your subscription, return to corporatecentral.com and click **Sign In**.



My Recipes Application *User Mode* | *Design Mode* **Logged in as John doe** :: *Log Off*

Design Home Forms Views Applications Themes

Add New Application

Application Information

Application Name:	<input type="text" value="My Recipes App"/>	Name of the application
Application Description:	<input type="text"/>	Description of the Application (Optional)
Application Theme:	<input type="text" value="iOS Inspired (Global)"/>	Theme of the application.
Private:	<input type="checkbox"/>	Private Application will not be displayed in Application List.
Email Address for Testing:	<input type="text"/>	All Email Actions will be sent to the comma delimited email address list entered here, overriding application and global definitions

Choose Application Design Template

No Design Template Select a WAG™ Application to use as my Design Template

Allow design changes: If Checked, changes will be allowed to the application design

Create Application Cancel

[Step 2. Creating a New Application](#)

- ❖ Now you are ready to create your new application
 1. Click **Add New Application**
 2. In the above screen, enter your Application Name in this case, "My Recipes App"
 3. Click **Create Application** to continue.



❖ Creating a New Form



Key Point

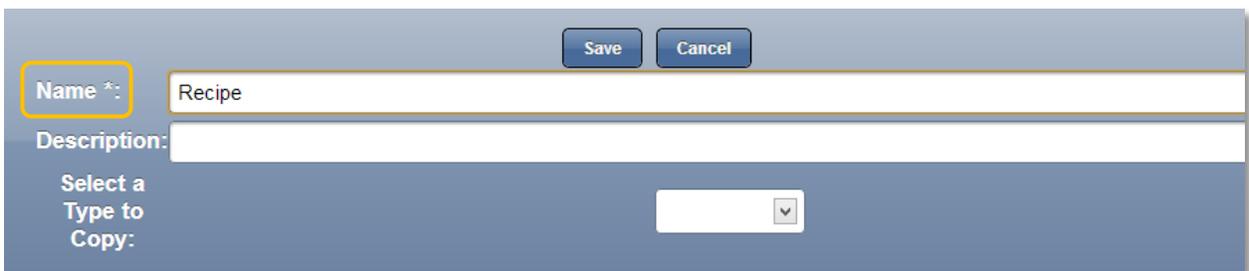
Design Mode is where you to create your app.

1. Click **Forms** at the top of the page and then click **Add a New Form**.

Key Point

Forms allow inputting data into your app. For example, this would be where a user types in an item in a To Do List. In the case of our application, you will create a recipe using the Form.

❖ Naming the Form



2. Give the new form a **Name**, *Recipe* then click **Save**.



✓ This is your New Form

Recipe: *Edit*

Description:

Unique Keys: Buttons Visibility: Default Mode: Read Mode

Delete Form Close

Recipe

Recipe

Recipe

Click here to Add Fields

Tab - Recipe

Edit Add

Tab Name Recipe

Display Order 0

Columns Theme -Default-

Allow Users to Click On Tab

Formula Builder ?

true

Visible

Editable

Toolbox

- ▼ Tabs/Column
- ▼ Section
- ▼ Fields

Save Reset Delete



3. Click Fields in the Toolbox.



❖ Toolbox. Fields

The screenshot displays the 'Recipe' configuration interface. At the top, there are fields for 'Recipe: Edit', 'Description:', 'Unique Keys:', and 'Buttons Visibility: Default Mode: Read Mode'. Below these are 'Delete Form' and 'Close' buttons. A 'Recipe' button is also present. On the left, a 'Recipe' card shows a 'Recipe' button and a link 'Click here to Add Fields'. The main area shows the 'Tab - Recipe' configuration with 'Edit' and 'Add' tabs. Fields include 'Tab Name' (Recipe), 'Display Order' (0), 'Columns Theme' (-Default-), and a checked 'Allow Users to Click On Tab' option. A 'Formula Builder' is visible with 'true' entered. A 'Toolbox' is open, showing a list of field types under the 'Fields' category, which is highlighted with a yellow box. The list includes: Button, Calendar Date, Combo Box, Date, List, Memo, Number, Query List, Record ID, Text, UNITE Names, and Yes/No. There are also checkboxes for 'Visible' and 'Editable'.

4. The **Fields** category in the **Toolbox** should now be expanded as in the screen above.



- ✓ In next few pages we will be Dragging and dropping fields from the **Toolbox** to finish our *Recipe Form*. We will be adding the following elements:

Element Type	Name
Text	Recipe Name
List	Recipe Category
Number	Preparation Time
Number	Cooking Time
Number	Total Time
Rich Text Section	Directions
Document Management Section	Pictures
DataGrid - Subform	Ingredients List

Key Point

Use the **Toolbox** to add Tabs/Columns, Sections, and Fields to your form. The next few pages will show you how to Drag and Drop fields onto your form, and how to name those fields and set other Properties.



❖ Creating a Text Field named Recipe Name

The screenshot displays the WAG software interface for editing a form. At the top, the title bar reads "Recipe: Edit". Below this, there are fields for "Description:", "Unique Keys:", "Buttons Visibility:", and "Default Mode: Read Mode". There are "Delete Form" and "Close" buttons. A "Recipe" button is also present. The main workspace shows a "Recipe" section with a "Text" field. A "Toolbox" is open, showing various field types. The "Text" field type is highlighted in yellow, and an orange arrow points from it to the "Text" field in the workspace. On the right, the "Field - Text" configuration panel is visible, showing settings for the field name, type, theme, input mask, user mode help, field size, and location. The "Location" section shows the field is placed in the "Recipe" tab and "Recipe" section. At the bottom right, there are "Save", "Reset", and "Delete" buttons, along with a trash icon.

Recipe: *Edit*

Description:
Unique Keys: Buttons Visibility: Default Mode: Read Mode

Delete Form Close

Recipe

Recipe

Recipe

Text

Text

Toolbox

- ▼ Tabs/Column
- ▼ Section
- ▲ Fields
 - Button
 - Calendar Date
 - Combo Box
 - Date
 - List
 - Memo
 - Number
 - Query List
 - Record ID
 - Text
 - UNITE Names
 - Yes/No

Field - Text

Edit	Event	Add
Field Name	Text	
Field Type	Text	
Theme	-Default-	
Input Mask	None	
User Mode Help	Add	
Field Size	200	
<input type="checkbox"/> Required		
<input type="checkbox"/> Calculated		
<input type="checkbox"/> Visibility Control		
<input type="checkbox"/> Editability/Enable Control		
<input type="checkbox"/> User Input Validation		
<input type="checkbox"/> Set Default Value		
Display Order	0	

Location:

Tab: Recipe

Section: Recipe

Save Reset Delete

Drag and drop a Text field from the Toolbox into the Recipe section.



❖ Naming the Field

The screenshot displays the 'Recipe: Edit' configuration window. At the top, it shows 'Recipe: Edit', 'Description:', 'Unique Keys:', 'Buttons Visibility:', and 'Default Mode: Read Mode'. Below this are 'Delete Form' and 'Close' buttons. A 'Recipe' button is centered below the header. On the left, a preview of the 'Recipe' form shows a 'Text' field. Below the preview is a 'Toolbox' with categories: '▼ Tabs/Column', '▼ Section', and '▼ Fields'. On the right, the 'Field - Text' properties panel is open, showing 'Edit', 'Event', and 'Add' tabs. The 'Field Name' is 'Recipe Name', 'Field Type' is 'Text', 'Theme' is '-Default-', 'Input Mask' is 'None', 'User Mode Help' is 'Add', 'Field Size' is '200', and 'Display Order' is '0'. Under 'Location', 'Tab' is 'Recipe' and 'Section' is 'Recipe'. At the bottom, 'Save', 'Reset', and 'Delete' buttons are visible, with 'Save' highlighted by a yellow box.

1. In the Properties Box on the right side of your screen, click **Field Name**.
2. Type *Recipe Name* and click **Save**.



❖ Creating A List Field named Food Category

The screenshot displays the WAG application interface. At the top, there is a navigation bar with the text "Recipe: Edit". Below this, the "Description:" section contains "Unique Keys:", "Buttons Visibility:", and "Default Mode: Read Mode". There are "Delete Form" and "Close" buttons. A "Recipe" button is located below the description section.

The main form area, titled "Recipe", contains a "Recipe Name" text field and a "List" field. The "List" field is highlighted in yellow, and an orange arrow points to it from the "List" option in the "Toolbox".

The "Toolbox" is a vertical menu on the left side of the form area, containing the following options: Tabs/Column, Section, Fields, Button, Calendar Date, Combo Box, Date, List (highlighted), Memo, Number, Query List, Record ID, Text, UNITE Names, and Yes/No.

The "Field - List" configuration panel is on the right side of the interface. It has tabs for "Edit", "Event", and "Add". The "Edit" tab is active. The configuration includes: Field Name (List), Field Type (List), Theme (-Default-), User Mode Help (Add), a table with "List Value" and "Remove" columns, checkboxes for "Multiple Values", "Required", "Visibility Control", "Editability/Enable Control", and "Set Default Value", Display Order (1), Location (Recipe), and Section (Recipe). At the bottom of the panel are "Save", "Reset", and "Delete" buttons.

1. Drag and drop a List field from the Toolbox into the Recipe section beneath our Recipe Name Text field.



❖ Naming the List Field

Recipe: *Edit*

Description:

Unique Keys: Buttons Visibility: Default Mode:
Read Mode

Delete Form Close

Recipe

Recipe

Recipe

Recipe Name Text

List

Toolbox

- ▼ Tabs/Column
- ▼ Section
- ▼ Fields

Field - List

Edit Event Add

Field Name Food Category

Field Type List

Theme -Default-

User Mode Help Add

List Value	Remove
	Remove

Multiple Values

Required

Visibility Control

Editability/Enable Control

Set Default Value

Display Order 1

Location:

Tab Recipe

Section Recipe

Save Reset Delete

2. In the Properties Box on the right side of your screen, click **Field Name**.
3. Type *Food Category* and click **Save**.



❖ Add List Values

Recipe: *Edit*

Description:

Unique Keys: Buttons Visibility: Default Mode:
Read Mode

Delete Form Close

Recipe

Recipe

Recipe

Recipe Name Text

Food Category

Toolbox

- ▼ Tabs/Column
- ▼ Section
- ▼ Fields

Field - Food Category

Edit Event Add

Field Name Food Category

Field Type List

Theme -Default-

User Mode Help [Add](#)

List Value	Remove
Apetizers	Remove
Chicken	Remove
	Remove

Multiple Values

Required

Visibility Control

Editability/Enable Control

Set Default Value

Display Order 1

Location:

Tab Recipe

Section Recipe

Save Reset Delete

1. Click under **List Values** in the Properties Box.



Field - Recipe Category

Edit Event Add

Field Name

Field Type List

Theme

User Mode Help [Add](#)

List Value	Remove
Appetizers	Remove
Beverages	Remove
Breads	Remove
Chicken	Remove
Deserts	Remove
Meat	Remove
Side Dishes	Remove
Soups	Remove
Vegan	Remove

Multiple Values

Required

Visibility Control

Editability/Enable Control

Set Default Value

Display Order

Location:

Tab

Section

2. The List values for Food Category should be:
Appetizers, Beverage, Bread, Chicken, Desert, Meat, Side dishes, Soups, Vegan.

3. Click Save.



❖ Creating a Number Field named Prep Time

1. Drag and drop a Number field from the Toolbox to the Recipe Section beneath the Food Category field.



❖ Naming the Number Field

The screenshot shows the 'Recipe' form in the WAG interface. The form has a 'Recipe Name' field (Text), a 'Food Category' dropdown, and a 'Number' field (Number). The 'Number' field is highlighted in yellow. To the right, the 'Field - Number' properties box is open, showing the 'Field Name' set to 'Prep Time', 'Field Type' as 'Number', and 'Display Order' as '2'. The 'Save' button is highlighted in yellow.

2. In the Properties Box, click **Field Name**.
3. Type *Prep Time*.
4. Click **Save**.



❖ Creating a Number Field named Cook Time

The screenshot displays the WAG software interface for creating a form. At the top, there's a header with 'Recipe: Edit' and 'Description:'. Below that, 'Unique Keys:', 'Buttons Visibility:', and 'Default Mode: Read Mode' are visible. There are 'Delete Form' and 'Close' buttons. A 'Recipe' button is also present. The main area shows a 'Recipe' form with fields for 'Recipe Name' (Text), 'Food Category' (dropdown), 'Prep Time' (Number), and 'Number' (Number). A 'Toolbox' is open over the 'Number' field, listing various field types: Button, Calendar Date, Combo Box, Date, List, Memo, **Number**, Query List, Record ID, Text, UNITE Names, and Yes/No. To the right, the 'Field - Number' configuration panel is shown, with tabs for 'Edit', 'Event', and 'Add'. The 'Edit' tab is active, showing settings for 'Field Name' (Number), 'Field Type' (Number), 'Theme' (-Default-), 'User Mode Help' (Add), 'Field Format' (General e.g. 2010), and several checkboxes for 'Required', 'Calculated', 'Visibility Control', 'Editability/Enable Control', 'User Input Validation', and 'Set Default Value'. The 'Display Order' is set to 3. The 'Location' is set to 'Recipe' for both 'Tab' and 'Section'. At the bottom, there are 'Save', 'Reset', and 'Delete' buttons, along with a trash icon.

Drag and drop a **Number** field from the **Toolbox** to the **Recipe** Section beneath the **Food Category** field.



❖ Naming the Number Field

The screenshot shows the WAG interface for editing a 'Recipe' form. At the top, there are buttons for 'Delete Form' and 'Close'. Below that is a 'Recipe' button. The main area is divided into two panes. The left pane shows the 'Recipe' form with fields for 'Recipe Name' (Text), 'Food Category' (dropdown), 'Prep Time' (Number), and a highlighted 'Number' field. The right pane is the 'Field - Number' properties box, which has tabs for 'Edit', 'Event', and 'Add'. The 'Edit' tab is active, and the 'Field Name' is set to 'Cook Time'. Other properties include 'Field Type' (Number), 'Theme' (-Default-), 'User Mode Help' (Add), 'Field Format' (General e.g. 2010), and several unchecked checkboxes for 'Required', 'Calculated', 'Visibility Control', 'Editability/Enable Control', 'User Input Validation', and 'Set Default Value'. The 'Display Order' is set to 3. The 'Location' section shows 'Tab' (Recipe) and 'Section' (Recipe). At the bottom of the properties box are 'Save', 'Reset', and 'Delete' buttons, along with a trash icon.

1. In the Properties Box, click **Field Name**.
2. Type *Cook Time*
3. Click **Save**.



❖ Creating a calculated Number Field named Total Time using the **Formula Builder**

The screenshot displays the 'Recipe' form in edit mode. The form includes fields for 'Recipe Name' (Text), 'Food Category' (Dropdown), 'Prep Time' (Number), 'Cook Time' (Number), and a newly added 'Number' field. A 'Toolbox' is open, showing various field types, with 'Number' selected and highlighted. The 'Field - Number' configuration panel on the right shows the field name as 'Number', type as 'Number', and location set to 'Recipe' section.

Drag and drop a **Number** field from the **Toolbox** to the **Recipe** Section beneath the **Cook Time** field.

Name the Number Field



❖ Naming the Number Field

The screenshot shows the WAG interface for editing a 'Recipe' form. At the top, there's a header with 'Recipe: Edit' and a 'Toolbox' dropdown. Below this, there are labels for 'Description:', 'Unique Keys:', 'Buttons Visibility:', and 'Default Mode: Read Mode'. There are 'Delete Form' and 'Close' buttons. A 'Recipe' button is also present. The main form area shows a 'Recipe' form with fields for 'Recipe Name' (Text), 'Food Category' (dropdown), 'Prep Time' (Number), 'Cook Time' (Number), and a 'Number' field (Number). The 'Number' field is highlighted in yellow. To the right, the 'Field - Number' properties box is open, showing 'Field Name' set to 'Total Time', 'Field Type' as 'Number', 'Theme' as '-Default-', 'User Mode Help' as 'Add', 'Field Format' as 'General e.g. 2010', and 'Display Order' as '4'. There are checkboxes for 'Required', 'Calculated', 'Visibility Control', 'Editability/Enable Control', 'User Input Validation', and 'Set Default Value'. At the bottom, there are 'Save', 'Reset', and 'Delete' buttons.

1. In the Properties Box, click Field Name.
2. Type *Cook Time*



- ❖ Make the total time calculated using Formula Builder

The screenshot shows the WAG interface for editing a recipe. At the top, there's a header with 'Recipe: Edit' and a 'Toolbox' dropdown. Below this, there are sections for 'Description:', 'Unique Keys:', 'Buttons Visibility:', and 'Default Mode: Read Mode'. There are 'Delete Form' and 'Close' buttons. A 'Recipe' button is also present. The main area shows a 'Recipe' form with fields for 'Recipe Name' (Text), 'Food Category' (dropdown), 'Prep Time' (Number), 'Cook Time' (Number), and 'Total Time' (Number). The 'Total Time' field is highlighted in yellow. To the right, the 'Field - Total Time' properties box is open, showing 'Field Name: Total Time', 'Field Type: Number', 'Theme: -Default-', 'User Mode Help: Add', 'Field Format: General e.g. 2010', and checkboxes for 'Required' (unchecked) and 'Calculated' (checked). Below these is a 'Formula Builder' link and a large text area. At the bottom of the properties box are 'Save', 'Reset', and 'Delete' buttons, along with a trash icon.

3. In the Properties Box, click the checkbox next to **Calculated**.
4. Click on [Formula Builder](#).



[Cook Time]+[Prep Time]

Methods	Operators	Fields / Sections
Conversion:	+	Field Name (Field Type)
String()	-	Cook Time (Number)
parseDate()	/	Food Category (List)
parseNumber()	*	Prep Time (Number)
Validation:	%	Recipe Name (Text)
	=	Total Time (Number)

5. Click on **Cook Time**
6. Click on **+**
7. Click on **Prep Time**
8. Click **OK**
9. Click **Save**.



❖ Creating a Rich Text section named Directions

The screenshot displays the WAG interface for editing a form. At the top, there's a header with 'Recipe: Edit' and 'Description:'. Below this, there are fields for 'Unique Keys:', 'Buttons Visibility:', and 'Default Mode: Read Mode'. A 'Delete Form' button and a 'Close' button are visible. A 'Recipe' button is located below the header. The main area shows a 'Recipe' form with fields for 'Recipe Name' (Text), 'Food Category' (dropdown), 'Prep Time' (Number), 'Cook Time' (Number), and 'Total Time' (Number). A 'Rich Text' section is added below these fields, with a 'Click here to Add Field' link. A 'Section - Rich Text' configuration panel is open on the right, showing settings for 'Section Name' (Rich Text), 'Display Order' (1), 'Theme' (-Default-), 'Section Type' (Rich Text), and 'User Mode Help' (Add). There are checkboxes for 'Show in Print Preview', 'Visibility Control', 'Editability/Enable Control', and 'Set Default Value'. Below the configuration panel, there are dropdowns for 'Location:' (Recipe), 'Tab:' (Recipe), and 'Column:' (Recipe). At the bottom right, there are 'Save', 'Reset', and 'Delete' buttons, and a trash icon.

1. Click on **Sections** in the Toolbox.
2. Drag and drop a **Rich Text** section from the Toolbox to beneath our Recipe Section.



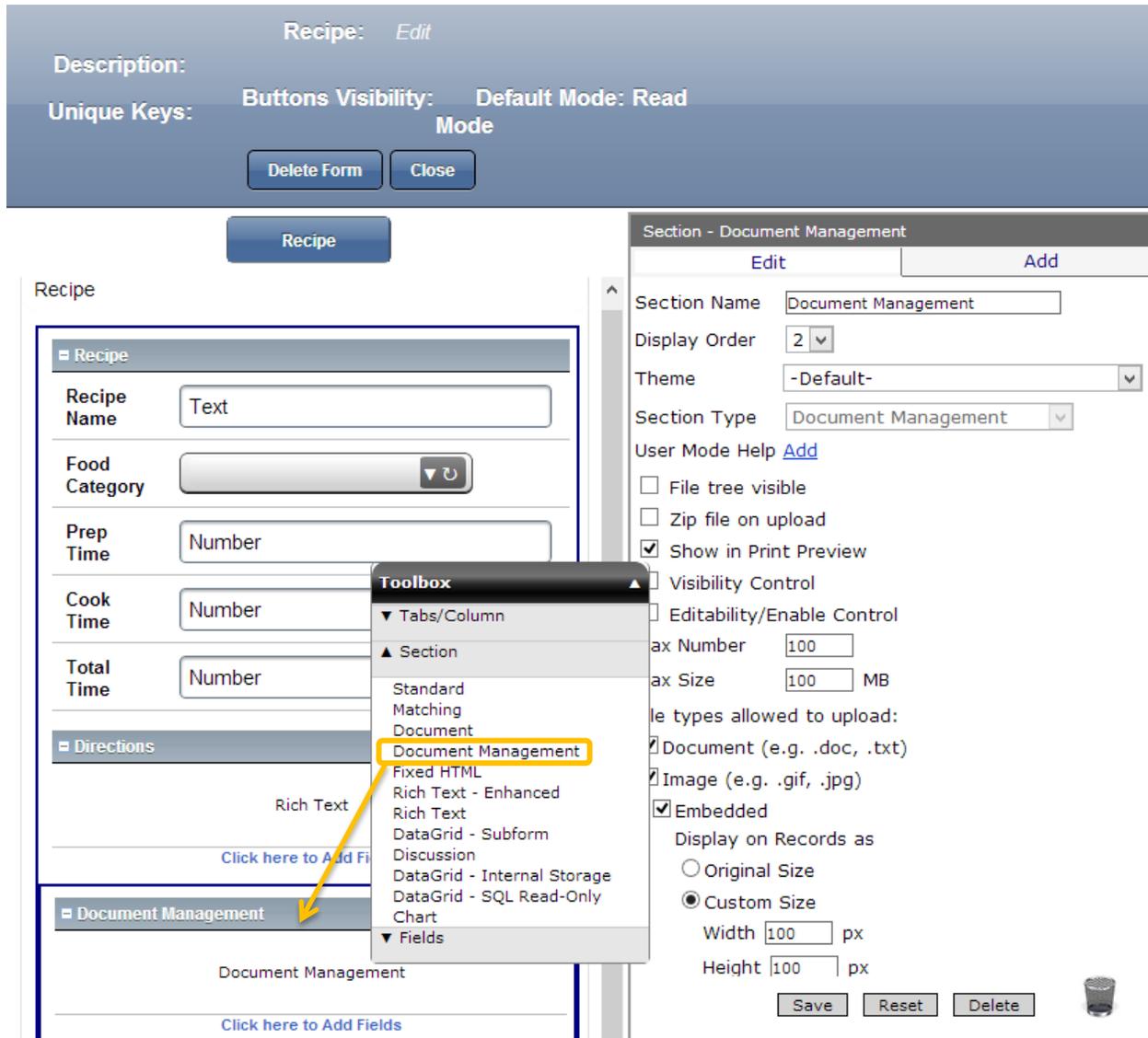
❖ Naming the Rich Text Section

The screenshot shows the 'Recipe: Edit' interface. At the top, there are fields for 'Description:', 'Unique Keys:', 'Buttons Visibility:', and 'Default Mode: Read Mode'. Below these are 'Delete Form' and 'Close' buttons. A 'Recipe' button is also present. The main form area is divided into two sections: 'Recipe' and 'Rich Text'. The 'Recipe' section contains fields for 'Recipe Name' (Text), 'Food Category' (dropdown), 'Prep Time' (Number), 'Cook Time' (Number), and 'Total Time' (Number). The 'Rich Text' section is currently empty. On the right, the 'Section - Rich Text' properties box is open, showing 'Edit' and 'Add' tabs. The 'Section Name' field is highlighted with a yellow box and contains the text 'Directions'. Other fields include 'Display Order' (1), 'Theme' (-Default-), 'Section Type' (Rich Text), and 'User Mode Help' (Add). There are also checkboxes for 'Show in Print Preview', 'Visibility Control', 'Editability/Enable Control', and 'Set Default Value'. At the bottom of the properties box, there are 'Location:' fields for 'Tab' (Recipe) and 'Column' (Recipe), and 'Save', 'Reset', and 'Delete' buttons.

3. In the Properties Box, click **Field Name**.
4. Type *Directions*
5. Click **Save**.



❖ Creating a Document Management Section named Multimedia



1. Drag and drop the Document Management Section from the Toolbox beneath the Directions section



❖ Naming the section Document Management

The screenshot shows the 'Recipe' form and its properties. The 'Recipe' form has fields for 'Recipe Name' (Text), 'Food Category' (dropdown), 'Prep Time' (Number), 'Cook Time' (Number), and 'Total Time' (Number). Below these is a 'Directions' section with a 'Rich Text' editor and a 'Click here to Add Fields' link. At the bottom is a 'Document Management' section. The 'Section - Document Management' properties box is open, showing the following settings:

- Section Name: **Multimedia**
- Display Order: 2
- Theme: -Default-
- Section Type: Document Management
- User Mode Help: [Add](#)
- File tree visible
- Zip file on upload
- Show in Print Preview
- Visibility Control
- Editability/Enable Control
- Max Number: 100
- Max Size: 100 MB
- File types allowed to upload:
 - Document (e.g. .doc, .txt)
 - Image (e.g. .gif, .jpg)
 - Embedded
- Display on Records as:
 - Original Size
 - Custom Size**

Buttons: Save, Reset, Delete

1. In the Properties Box, click **Section Name**.
2. Type *Multimedia*
3. Select Custom Size, for your pictures to appear in the smaller size.
4. Click **Save**.
5. Click **Close**.



❖ Creating a New View

My Recipes App User Mode **Design Mode** Logged in as John doe :: Log Off

Design Home Forms **Views** Applications Themes

Views

Add a New View

Key Point

After you create a recipe form, your users will want to enter new recipes and see a list of all recipes or search for specific recipes. We will create a **View** for this purpose. After you create a View in Design Mode you will immediately be able to try your application as a user.

1. Make sure you are in a **Design Mode**
2. Click on the **Views** button at the top.
3. Click on **Add a New View**



❖ Naming a New View

My Recipes App User Mode | **Design Mode** Logged in as John doe :: Log Off

Design Home Forms Views Applications Themes

Edit View Display Information

Save Delete Close

View Name:

Forms:

Extra Information: Show Form Show Created By Show Created Date Show Last Updated By Show Last Updated Date Show Available Actions

Field Name	Show in View	Searchable	Default Search
Recipe			
Recipe			
Recipe Name*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
Recipe Category	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>
Cook Time*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>
Prep Time*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>
Total Time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>
Directions			
Multimedia <input checked="" type="checkbox"/> Show Section First <input type="text" value="1"/> Image(s)			
Ingredients List			

1. In the **View Name** enter *Recipe*
2. Check the boxes as shown above and click **Save**.
3. On the next page click **Save** again

Design Home Forms Views Applications Themes

Edit View Definition

Add New Line **Save** Back

Field/Section Name	Show in Header	Alias	Move
Multimedia	<input checked="" type="checkbox"/>	<input type="text"/>	⋮
Food Category	<input checked="" type="checkbox"/>	<input type="text"/>	⋮
Recipe Name	<input checked="" type="checkbox"/>	<input type="text"/>	⋮
Prep Time	<input checked="" type="checkbox"/>	<input type="text"/>	⋮
Cook Time	<input checked="" type="checkbox"/>	<input type="text"/>	⋮
Total Time	<input checked="" type="checkbox"/>	<input type="text"/>	⋮

4. Click **Forms**.



❖ Creating Ingredients Form

My Recipes App User Mode | **Design Mode** Logged in as John doe :: Log Off

Design Home Forms Views Applications Themes

Forms

Add a New Form

Form	Public Access Settings
Recipe	None

1. Click on Add New From

Save Cancel

Name *: Ingredients

Description:

Select a Type to Copy:

2. Name the new form as *Ingredients*
3. Click Save



❖ A new Form will be generated

Ingredients: *Edit*

Description:

Buttons Visibility:

Unique Keys: **Default Mode: Read Mode**

Delete Form **Close**

Ingredients

Ingredients

Ingredients

[Click here to Add Fields](#)

Tab - Ingredients

Edit **Add**

Tab Name

Display Order ▼

Columns Theme ▼

Allow Users to Click On Tab

[Formula Builder ?](#)

Visibility Control

Editability/Enable Control

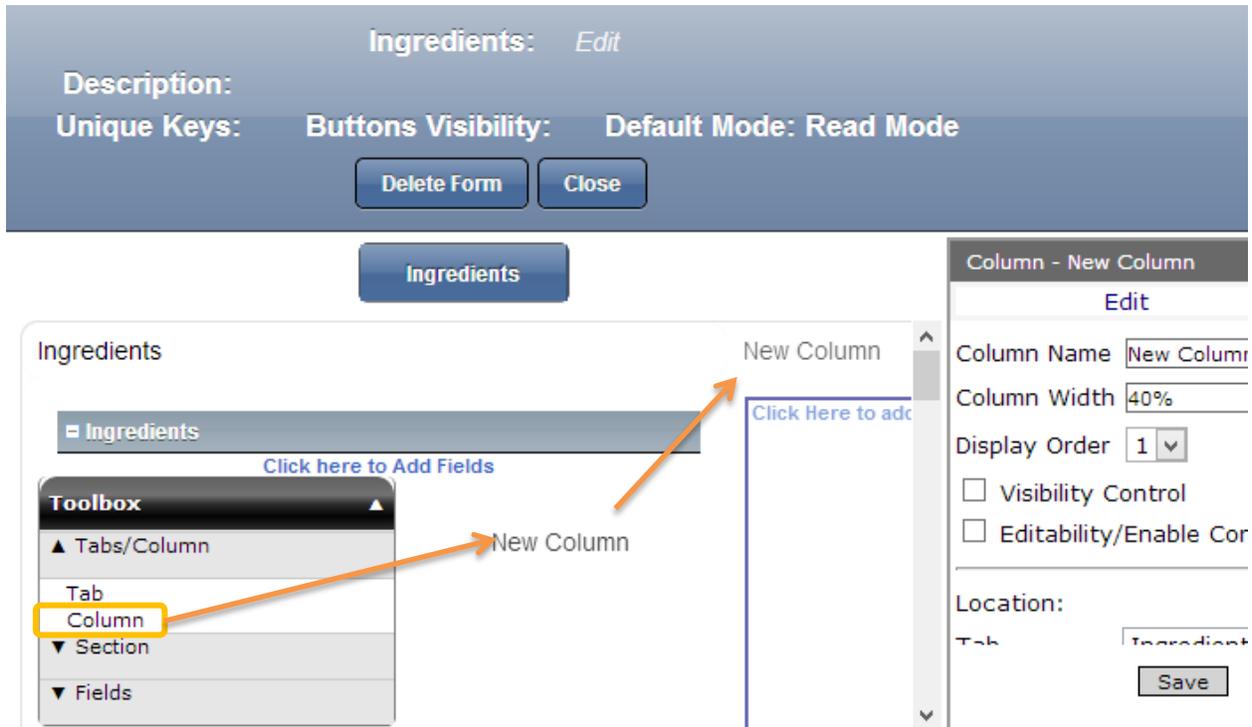
Save **Reset** **Delete**

Toolbox

- ▲ Tabs/Column
 - Tab
 - Column
- ▼ Section
- ▼ Fields



❖ Creating a new Column



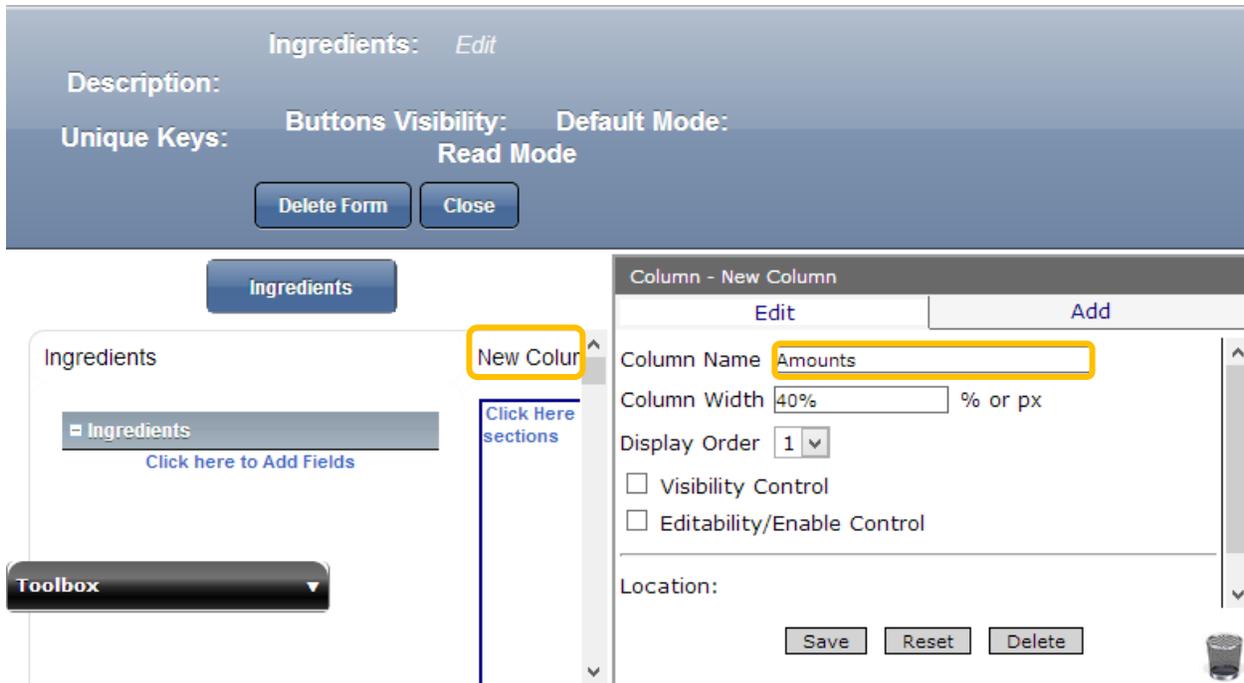
Key Point

Having **Columns** is a nice way to arrange information in the **Form** in a more user friendly way.

1. In the **Toolbox** click on **Tabs/Column**
2. Drag the **Column** element from the **Toolbox** and drop it to the right of the ingredients section.



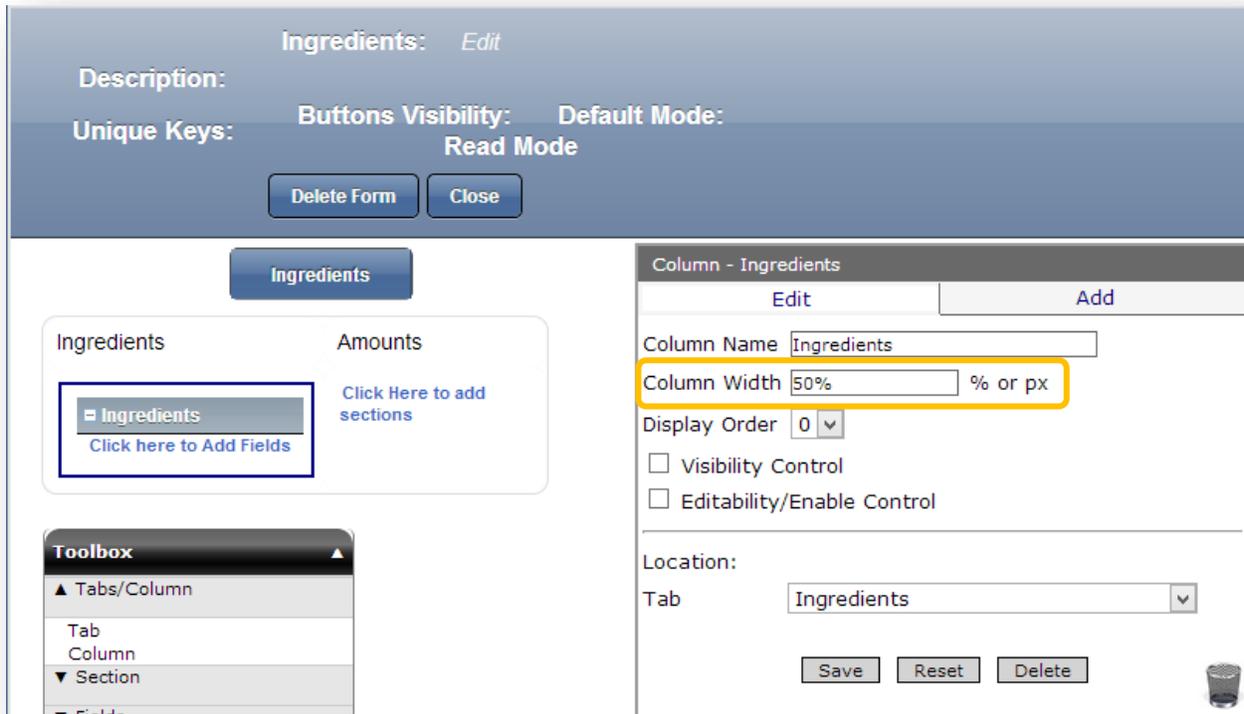
❖ Naming the Column



1. Click on **New Column**
2. In the Properties Box, click in the **Column Name** field.
3. Type *Amounts*
4. Click **Save**.



❖ Defining Column Width for Ingredients



1. In the Properties Box, click in the **Column Width**.
2. Type **50%**
3. Click **Save**.



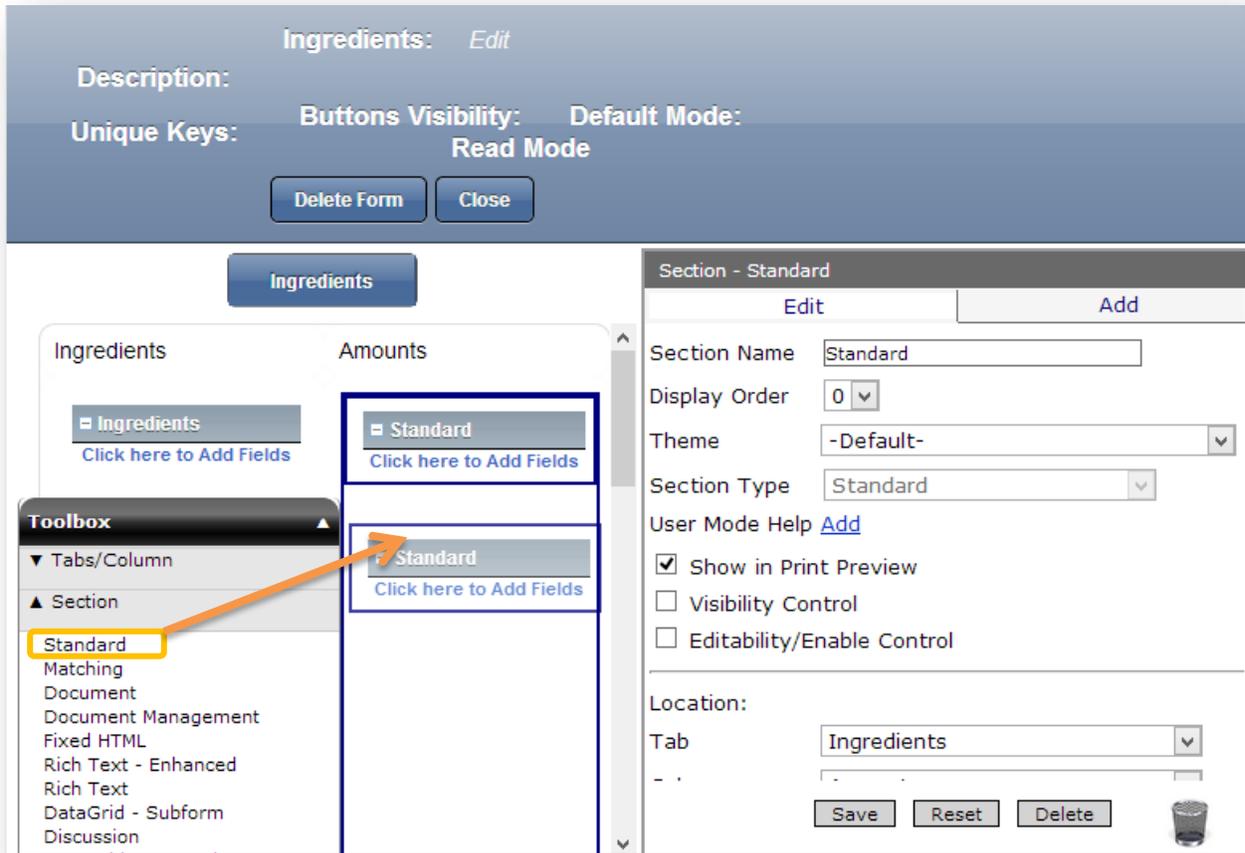
❖ Defining Column Width for amounts

The screenshot displays the WAG software interface. At the top, there is a header bar with the text "Ingredients: Edit" and "Description: Unique Keys: Buttons Visibility: Default Mode: Read Mode". Below this are "Delete Form" and "Close" buttons. The main workspace is divided into two sections: "Ingredients" and "Amounts". The "Amounts" section contains a blue box with the text "Click Here to add sections". A "Toolbox" is visible on the left, with "Section" selected. On the right, the "Column - Amounts" properties box is open, showing "Column Name: Amounts", "Column Width: 50% % or px" (highlighted with a yellow box), "Display Order: 1", and "Location: Tab: Ingredients". "Save", "Reset", and "Delete" buttons are at the bottom of the properties box.

1. In the Properties Box, click in the Column Width
2. Type 50%
3. Click Save.



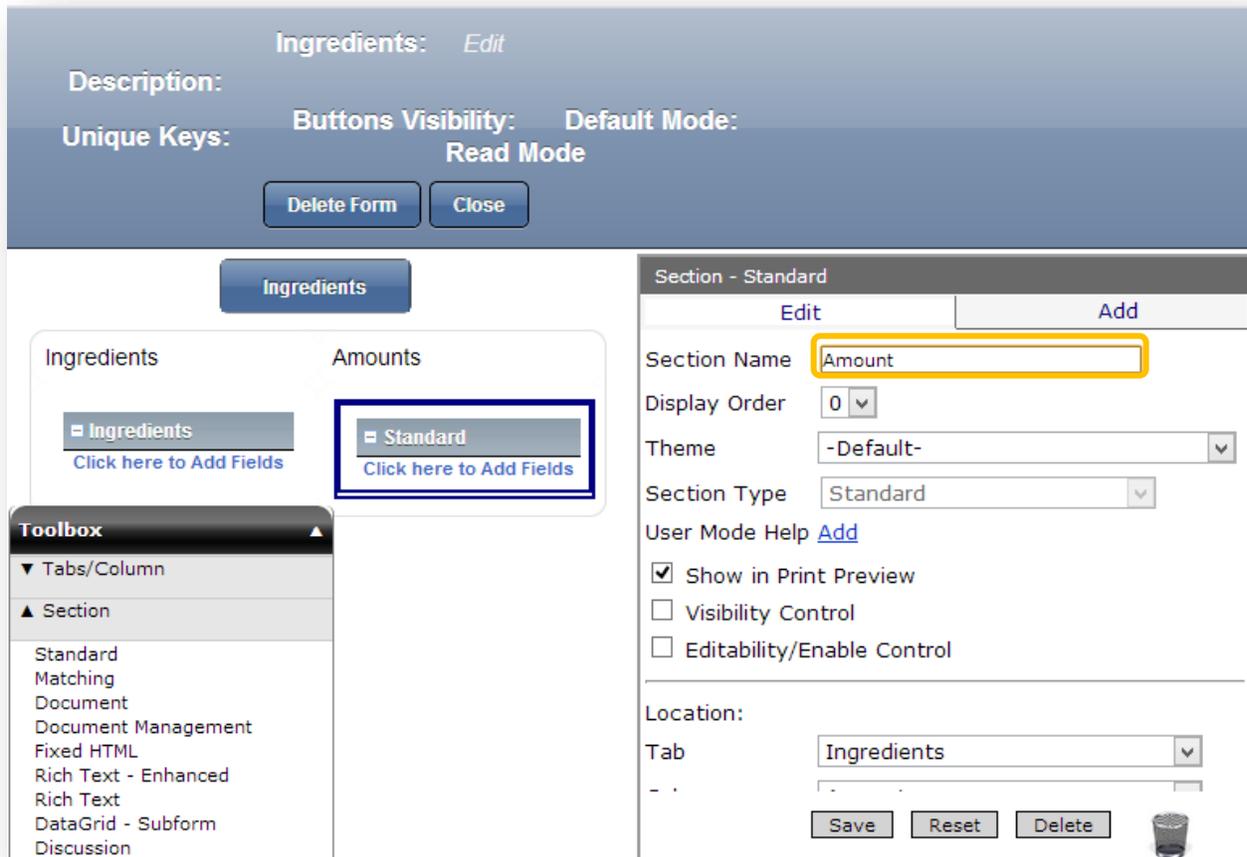
❖ Adding a Section to the Form



- ✓ Drag and drop a **Standard** Section from the **Toolbox** beneath the **Amounts** Column



❖ Naming the Section



1. In the Properties Box, click in the **Section Name** tab.
2. Type *Amount*
3. Click **Save**.

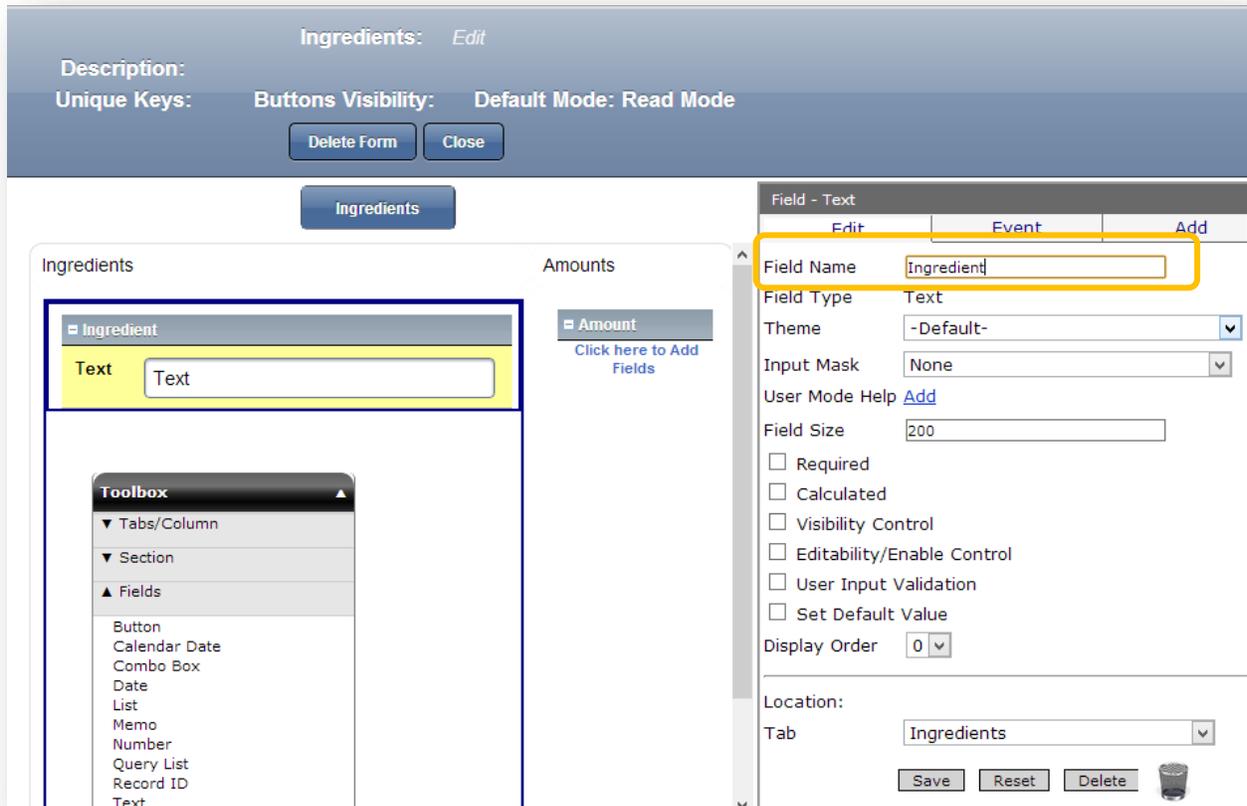


❖ Creating a Text Field in the *Ingredients* column

❖ Drag and drop a **Text Filed** from the **Toolbox** beneath the **Ingredients Section**



❖ Naming the Text Field in the *Ingredients* column



1. In the Properties Box, click in the Filed Name.
2. Type *Ingredient*
3. Click **Save**.



❖ Creating a Text Field for the *Amounts* column

Ingredients: *Edit*

Description:
Unique Keys: Buttons Visibility: Default Mode: Read Mode

Delete Form Close

Ingredients

Ingredients

Ingredient

Ingredient

Toolbox

- ▲ Tabs/Column
- ▼ Section
- ▲ Fields
 - Button
 - Calendar Date
 - Combo Box
 - Date
 - List
 - Memo
 - Number
 - Query List
 - Record ID
 - Text
 - UNITE Names
 - Yes/No

Amounts

Amount

Text Text

Field - Text

Edit Event Add

Field Name:

Field Type: Text

Theme:

Input Mask:

User Mode Help: [Add](#)

Field Size:

Required

Calculated

Visibility Control

Editability/Enable Control

User Input Validation

Set Default Value

Display Order:

Location:

Tab:

Save Reset Delete

✓ Drag and drop a **Text Field** from the **Toolbox** into the **Amount Section**.



❖ Naming the Text Fields for the Amounts column

Ingredients: *Edit*

Description:
 Unique Keys: Buttons Visibility: Default Mode: Read Mode

Delete Form Close

Ingredients

Ingredients

Amounts

Ingredient Text

Amount Text Text

Toolbox

- ▼ Tabs/Column
- ▼ Section
- ▼ Fields

Field - Text

Edit Event Add

Field Name Amount

Field Type Text

Theme -Default-

Input Mask None

User Mode Help [Add](#)

Field Size 200

Required

Calculated

Visibility Control

Editability/Enable Control

User Input Validation

Set Default Value

Display Order 0

Location:

Tab Ingredients

Save Reset Delete

1. In the Properties Box, click in the Field Name.
2. Type *Amount*
3. Click **Save** and **Close**

My Recipes App User Mode | **Design** Logged in as John doe :: Log Off Mode

Design Home Forms Views Applications Themes

Forms
 Add a New Form

Form	Public Access Settings
Ingredient	None
Recipe	None

- ✓ Click **Recipe** again, you will create a Subform for your ingredients to make them, appear in your Recipe Form in the User Mode.



❖ Creating a DataGrid-Subform

The screenshot displays the 'Recipe' form and the 'Section - Add Section' dialog box. The 'Recipe' form includes fields for 'Recipe Name *', 'Recipe Category', 'Cook Time *', 'Prep Time *', 'Total Time', and 'Extras'. The 'Section - Add Section' dialog box is open, showing options for 'Section Name', 'Section Type' (set to 'DataGrid - Subform'), and various controls like 'Show in Print Preview', 'Visibility Control', 'Editability/Enable Control', 'Criteria Based', 'Allow Add New Records', and 'Allow Link Records'. A 'Toolbox' is also visible, listing different section types, with 'DataGrid - Subform' highlighted. A yellow arrow points from the highlighted 'DataGrid - Subform' option in the toolbox to the 'New DataGrid - Subform Section' button at the bottom of the recipe form.

1. From the **Toolbox** drag and drop **DataGrid-Subform Section** beneath the existing columns.

Key Point

The **Subform** section lets you have a Form within a Form.



❖ Naming the DataGrid-Subform

The screenshot shows the 'Recipe' form in the WAG interface. The 'Recipe' form has several fields: Recipe Name (Text), Recipe Category (dropdown), Cook Time (Number), Prep Time (Number), Total Time (Number), and Extras (Text). Below these are sections for Directions (Rich Text - Enhanced) and Multimedia (Document Management). A 'New DataGrid - Subform Section' is being added to the form. The 'Section - Add Section' properties box is open, showing the following settings:

- Section Name: **Ingredients List** (highlighted)
- Section Type: DataGrid - Subform
- User Mode Help: Add
- Show in Print Preview
- Visibility Control
- Editability/Enable Control
- Criteria Based
- Allow Add New Records
- Allow Link Records
- Show Search in Link
- Page Size: 20
- System: My Recipes App
- Type: Ingredient
- Fields (Show Total only applies on Number Fields)

Field	Display Order	Show Total
<input checked="" type="checkbox"/> Amount	1	<input type="checkbox"/>
<input checked="" type="checkbox"/> Ingredient	2	<input type="checkbox"/>

The 'Add Section' button is highlighted in the properties box. A 'Toolbox' is also visible, showing options for Tabs/Column, Section, and Fields.

1. In the Properties Box, click Section Name
2. Type "Ingredients List"
3. Click Add



Section - Add Section

[Edit](#) [Add](#)

[Add Tab](#) [Add Column](#) [Add Section](#) [Add Field](#)

Section Name

Section Type

User Mode Help [Add](#)

Show in Print Preview

Visibility Control

Editability/Enable Control

Criteria Based

Allow Add New Records

Allow Link Records

Show Search in Link

Page Size

System

Type

Fields (Show Total only applies on Number Fields)

Field	Display Order	Show Total
<input checked="" type="checkbox"/> Amount Set Filter	<input type="text" value="1"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Ingredient Set Filter	<input type="text" value="2"/>	<input type="checkbox"/>

1. Uncheck the box next to **Criteria Based** in the Properties Box
2. Check **boxes** next to Amount and ingredient
3. Put 1 and 2 in the Display Order
4. Click **add**
5. Click close at the top of the page.
6. In the upper left corner, click on Views



Recipe: *Edit*

Description:

Unique Keys: Buttons Visibility: Default Mode: Read

Mode

Delete Form Close **Close** Toolbox

Recipe

Recipe

Recipe Name * Text

Recipe Category

Cook Time * Number

Prep Time * Number

Total Time Number

Extras Text

Directions

Rich Text - Enhanced

[Click here to Add Fields](#)

Multimedia

Document Management

[Click here to Add Fields](#)

Ingredients List

Amount	Ingredient

[Click here to Add Fields](#)

Section - Ingredients List

Edit Add

Section Name Ingredients List

Display Order 3

Theme -Default-

Section Type DataGrid - Subform

User Mode Help [Add](#)

Show in Print Preview

Visibility Control

Editability/Enable Control

Criteria Based

Allow Add New Records

Allow Link Records

Show Search in Link

Page Size 20

System My Recipes App

Type Ingredient

Fields (Show Total only applies on Number Fields)

Field	Display Order	Show Total
<input checked="" type="checkbox"/> Amount	1	<input type="checkbox"/>
<input checked="" type="checkbox"/> Ingredient	2	<input type="checkbox"/>

Save Reset Delete

✓ This is how should your form look like after designing it.



❖ Create View For Ingredients

My Recipes App User Mode | **Design Mode** Logged in as John doe :: Log Off

Design Home Forms **Views** Applications Themes

Views

Add a New View

1. In a Design Mode click on Views and then Add a New View.

My Recipes App User Mode | Design Mode Logged in as John doe :: Log Off

Design Home Forms Views Applications Themes

Save Delete Close

View Name

Forms:

Extra Information Show Form Show Created By Show Created Date Show Last Updated By Show Last Updated Date Show Available Actions

Field Name	Show in View	Searchable	Default Search
Ingredient			
Amounts			
Amount			
Amount	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
Ingredients			
Ingredient			
Ingredient	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>
New Column			

2. Name it **Ingredients** and check the boxes along with **Amounts** and **ingredients**.

3. Click **Save**.



❖ After clicking save you will get on to this page

My Recipes App **User Mode** | Design Mode Logged in as John doe :: Log Off

Design Home **Forms** Views Applications Themes

Edit View Definition

Add New Line Save Back

Field/Section Name	Show in Header	Alias	Move
Amount	<input checked="" type="checkbox"/>	<input type="text"/>	:::
Ingredient	<input checked="" type="checkbox"/>	<input type="text"/>	:::

❖ Changing the positions of the Columns

Ingredients: Edit

Description:
Unique Keys: Buttons Visibility: Default Mode: Read Mode

Delete Form Close

Ingredients

Amounts

←→

Ingredients

Amounts

Amounts

Ingredients List

Amount	Ingredient
	Click here to Add Fields

Amounts

Amount

Amount

Ingredient

Ingredient

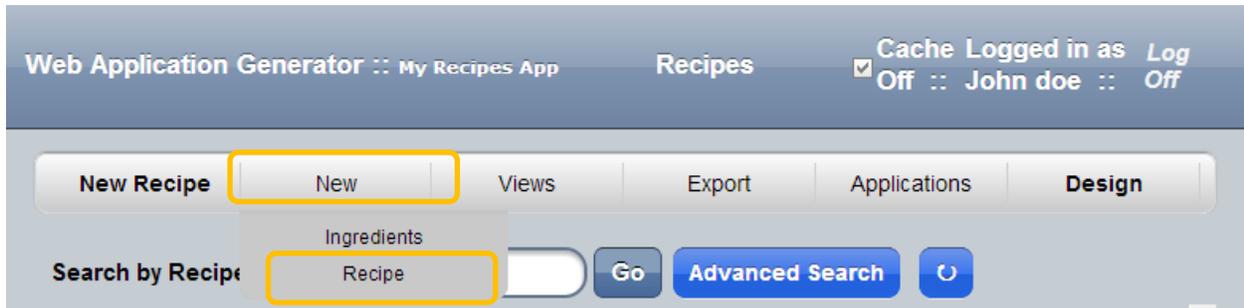
Key Point

You can change the position of the columns by moving them from one side to opposite.

1. Go to Forms,
2. click on Ingredients
3. To change a location of the column drag and drop it to the opposite side in the
4. Click **Close**
5. Click **User Mode**



[Step 3 Using the application](#)



- ❖ Using WAG on Desktop computer

Key Point

User Mode is how your end users will see your app.

- ✓ At the top bar, Click on **New > Recipe**
- ✓ And your Form will pop up!



❖ Here is some data you can copy and paste into your Form:

Recipe Name	Food Category	Prep Time	Cook Time
Orange Chicken	Chicken	30	45

Directions

Place chicken pieces in a large bowl.

Stir in egg, salt, pepper and 1 tablespoon of oil. Mix well.

Stir cornstarch and the flour together.

Mix flour and egg mixture.

Add chicken pieces, stir to coat.

Heat oil in wok for deep frying, or set deep fryer to 375 degrees.

Add chicken, and fry 3-4 minutes or until golden.

Remove chicken from oil and drain on paper towels.

Clean wok and heat 15 seconds over high heat.

Add 1 tablespoon of oil.

Add ginger, garlic, and stir fry about 15 seconds.

Add rice wine and stir about 5 seconds.

Add orange sauce and bring to boil.

Add cooked chicken and stir until mixed.

Stir water into remaining 1 tablespoon cornstarch and add to chicken.

Heat until sauce is thick.

Stir in sesame oil and orange zest if desired.



❖ Here's what it should look like:

New Recipe ↻

Save Cancel

Recipee

▣ Recipee

Recipe Name	<input style="width: 90%;" type="text" value="Orange Chicken"/>
Food Category*	Chicken ▼ ↻
Prep Time	<input style="width: 90%;" type="text" value="30"/>
Cook Time	<input style="width: 90%;" type="text" value="45"/>
Total Time	75

▣ Directions

Arial 13 B I U A_x A^x T P A ↻ ↺ ↻

Normal +≡ ≡+ ⋮ ⋮ 🔗 🖼️

Place chicken pieces in a large bowl.

Stir in egg, salt, pepper and 1 tablespoon of oil. Mix well.

Stir cornstarch and the flour together.

Mix flour and egg mixture.

Add chicken pieces, stir to coat.

Heat oil in wok for deep frying, or set deep fryer to 375 degrees.

Add chicken, and fry 3-4 minutes or until golden.

Remove chicken from oil and drain on paper towels.

Clean wok and heat 15 seconds over high heat.

Add 1 tablespoon of oil.

Add ginger, garlic, and stir fry about 15 seconds.

Add rice wine and stir about 5 seconds.

Add orange sauce and bring to boil.

Add cooked chicken and stir until mixed.

Stir water into remaining 1 tablespoon cornstarch and add to chicken.



❖ Uploading a Picture

New Recipe

Prep Time

Cook Time

Total Time 75

Directions

A rich text editor toolbar with icons for undo, redo, bold, italic, text color, background color, bulleted list, numbered list, link, unlink, and insert image. A dropdown menu is set to "Normal".

A placeholder for an image, showing a small preview of a landscape with a sun and a building.

Multimedia

1. Click on **Add File** in the **Multimedia** section



Recipe ↻

Edit New Delete Print Back to View

Recipe

[Cancel]

Paste Add... Remove... Retry failed 0 0 0 0

Drop Files Here

No files

Recipe ↻

Edit New Delete Print Back to View

Recipe

[Cancel]

Paste Add... Remove... Retry failed 0 0 1 0



paste 2.jpg

1 file (12.4 KB)

1. Copy and paste images into this window.
2. click arrow to upload
3. Click **Add Ingredients** on the bottom of the Page
This is how the recipe looks in the end **User**.



❖ Adding Ingredients in the Ingredients Form

The screenshot shows a software interface for adding ingredients. At the top, a blue header bar contains the text "New Ingredients" and a refresh icon. Below this, there are two buttons: "Save" and "Cancel". The "Save" button is highlighted with a yellow border. Below the header bar is a blue button labeled "Ingredients". Underneath, there are two input fields. The first field is labeled "Amount" and contains the text "1/2". The second field is labeled "Ingredient" and contains the text "flour". The "Ingredient" field is also highlighted with a yellow border.

- ✓ To enter the ingredients put the amounts (1/2) in the amount box and Ingredients (flour) in the Ingredient box click **save**.
- ✓ To add more ingredients click on **Add Ingredients**.
- ✓ Click Save at the end.



❖ This is what the Ingredients lists section would look like

Ingredients List	
[Add Ingredients]	
Amount	Ingredient
1/2	flour
2 table spoon	ginger root
2 table spoons	Garlic
1 tea spoon	red hot crushed chili paper
1/2 cup	green onion
2 table spoon	rice wine
1/2 cup	water
1 tea spoon	sesame oil
2 table spoon	soy souce
10 tablespoons	sugar
2 zest of	orangers



❖ This is your new *Recipe*

Recipe [↻](#)

[Edit](#) [New](#) [Delete](#) [Print](#) [Back to View](#)

Recipe

Recipe

Recipe Name*	Orange Chicken
Recipe Category	Chicken
Cook Time*	30
Prep Time*	45
Total Time	75

Directions

Place chicken pieces in a large bowl.
 Stir in egg, salt, pepper and 1 tablespoon of oil. Mix well.
 Stir cornstarch and the flour together.
 Mix flour and egg mixture.
 Add chicken pieces, stir to coat.
 Heat oil in wok for deep frying, or set deep fryer to 375 degrees.
 Add chicken, and fry 3-4 minutes or until golden.
 Remove chicken from oil and drain on paper towels.
 Clean wok and heat 15 seconds over high heat.
 Add 1 tablespoon of oil.
 Add ginger, garlic, and stir fry about 15 seconds.
 Add rice wine and stir about 5 seconds.
 Add orange sauce and bring to boil.
 Add cooked chicken and stir until mixed.
 Stir water into remaining 1 tablespoon cornstarch and add to chicken.
 Heat until sauce is thick.
 Stir in sesame oil and orange zest if desired.
 Optional. Serve with white rice.

Pictures

[\[Add File\]](#)

File	Edit	Delete
	[Edit]	[Delete]

Ingredients List

[\[Add Ingredient\]](#)

Amount	Ingredient
1/2	flour
2 table spoons	ginger root
2 table spoons	Garilo
1 tea spoon	red hot crushed ohilli pepper
1/2 cup	green onion
2 table spoons	rice wine
1/2 cup	water
1 tea spoon	Sesame oil

✓ Click User Mode and your recipe will appear in your recipes view.



❖ Using WAG on iPad/iPhone



✓ To add a recipe to your Recipes Application Form in your iPad/iPhone, click on the WAG icon on your iPad/iPhone screen.

✓ Enter your Username and Password

WAG - Login

Username

Password

Sign In

✓ click Sign In



- ✓ Click on **Recipes**



- ✓ On the next page click **Views** on the bottom of your iPad/iPhone's screen

- ✓ Click **Recipe**



- ✓ On the Next Page



- ✓ Click on **+ New** Button



✕ CancelSave

Recipe
Recipe

Recipe Name *	
Recipe Category	Select... >
Cook Time *	
Prep Time *	
Total Time	0
Extras	

Ingredients List>

Multimedia>

Enter the Data from the Table in the above fields

Recipe Name	Tuna Salad
Recipe Category	Appetizer
Cook Time	10
Prep Time	5



Cancel Save

Recipe
Recipe

Recipe Name *	Tuna Salad
Recipe Category	Select... >
Cook Time *	
Prep Time *	
Total Time	0
Extras	

Ingredients List >

Multimedia >

✓ To Select Recipe Category click on **Select**

Recipe Category Cancel

Appetizers

Beverages

Breads >

Chicken

Deserts

Meat

Side Dishes

Soups

Vegan

✓ Click on **Appetizer**



✓ After You enter all the fields click on **Ingredients List**

Back Edit

Recipe
Recipe

Recipe Name	Tuna salad
Recipe Category	Appetizers
Cook Time	10
Prep Time	5
Total Time	15
Extras	

Ingredients List >

Multimedia >

Back + New

>

✓ Click **+New** button

Cancel Save

Ingredient
Amount

Amount

Ingredient

Ingredient

✓ In this form Enter the **Amount** and **Ingredient**



Back Save

Ingredient Amount	
Amount	1 can
Ingredient	
Ingredient	White tuna, drained and flaked

✓ and click Save

Back + New

1 can
White tuna >

Click on +New again

Cancel Save

Ingredient Amount	
Amount	
Ingredient	
Ingredient	

✓ Type in other items for the Amount and Ingredient fields



✓ This is how the **Ingredients List** likes.

Back + New

1 can >
White tuna

6 tablespoons >
Mayo

1 tablespoon >
Parmesan cheese

3 tablespoons >
Sweet pickle

1/8 table teaspoon >
Dried minced onion flakes

1/4 teaspoon >
Curry powder

1 tablespoon >
Dried parsely

1 teaspoon >
Dried dill

1 pinch >
Garlic powder

✓ At the end click on **Back** Button



✓ And click on **Multimedia** to upload a picture

Back Edit

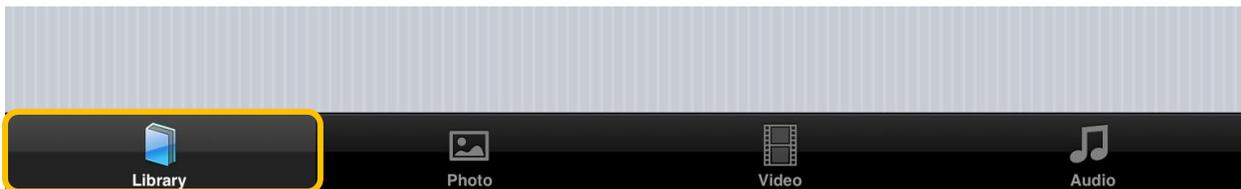
Recipe
Recipe

Recipe Name	Tuna salad
Recipe Category	Appetizers
Cook Time	10
Prep Time	5
Total Time	15
Extras	

Ingredients List >

Multimedia >

✓ Click on the next page click on **Library** to choose a picture





✓ And choose the picture



Click on **Back** Button

✓ You will be back on your **New Recipe** form



Back Edit

Recipe
Recipe

Recipe Name	Tuna salad
Recipe Category	Appetizers
Cook Time	10
Prep Time	5
Total Time	15
Extras	

Ingredients List >

Multimedia >

✓ On this Page Click **Back** button again

Verizon 4:55 PM 78%

Back Recipe + New

 **Orange Chicken**
30
75
45 >

 **Tuna salad**
10
15
5 >

WAG™ Views Sort Search

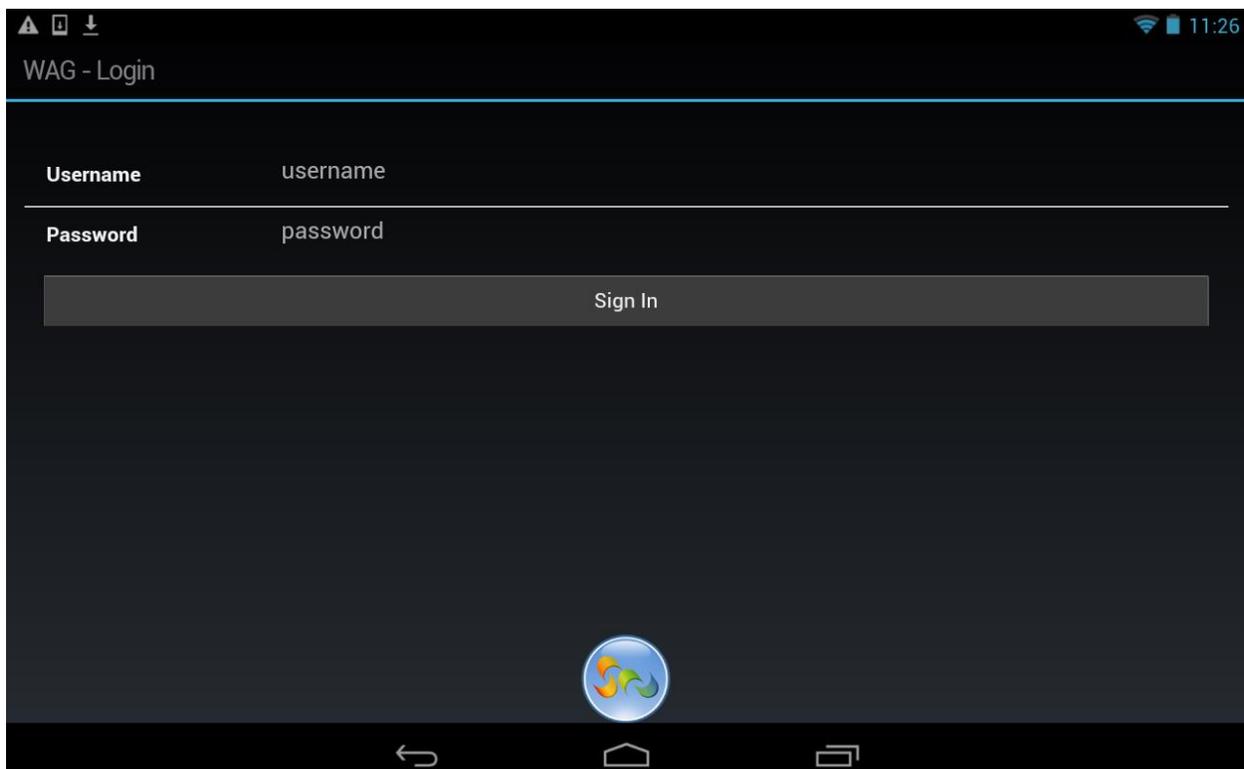
✓ And your **New Recipe** will appear in your recipes app.



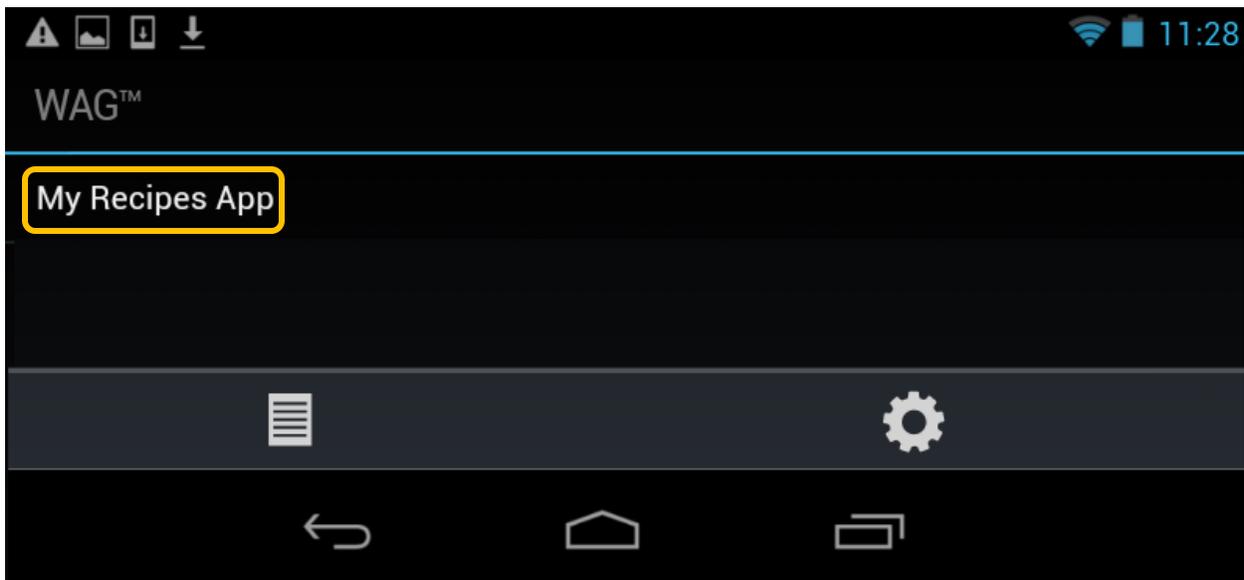
- ✓ Using WAG on your Android



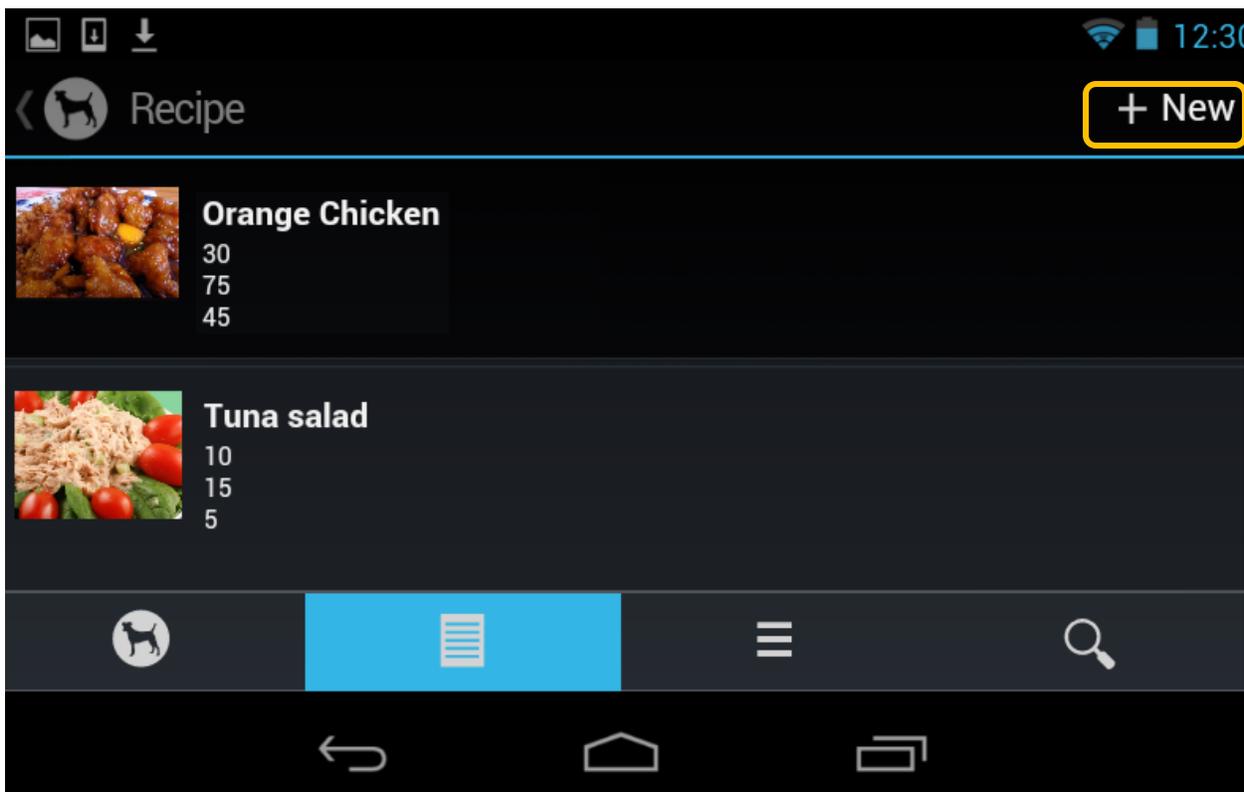
- ✓ To add a recipe to your Recipes App in your Android, click on the WAG icon on your Android, screen.



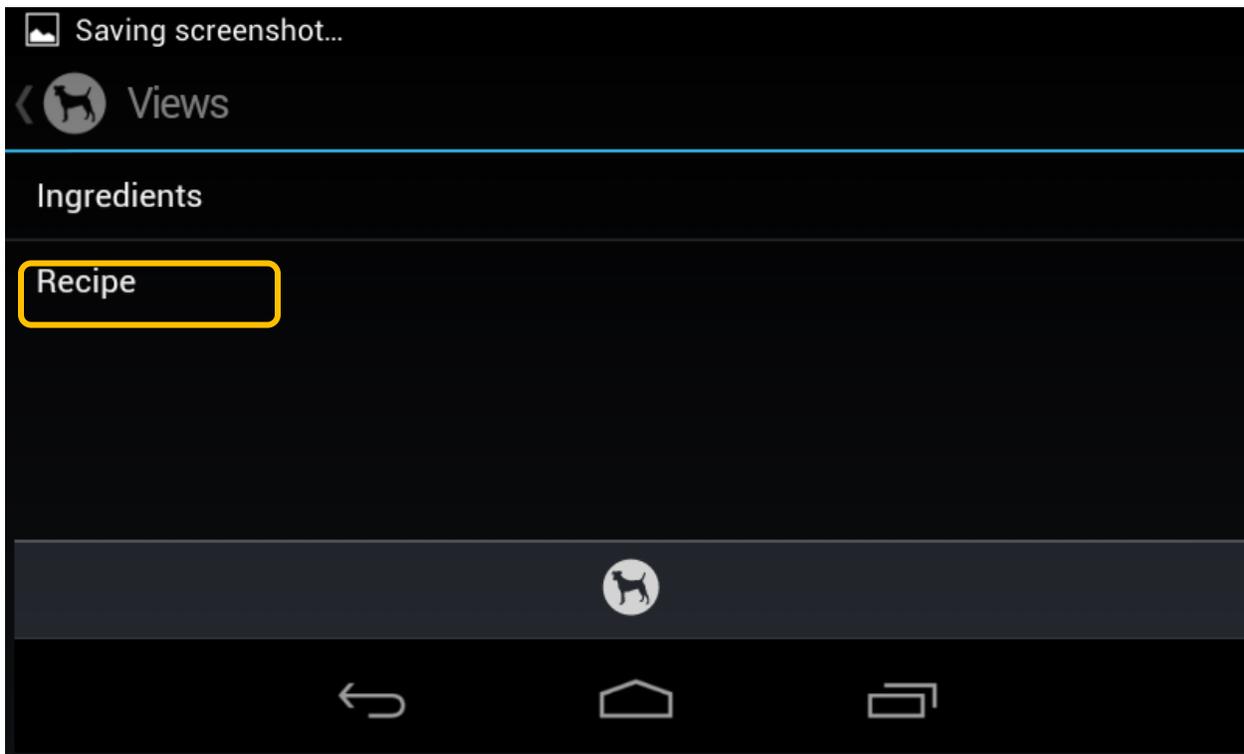
- ✓ Enter your **Username** and **Password** and click **Sign In** button.
- ✓ Click on My Recipe's App



✓ Click on + New



✓ Click on Recipe

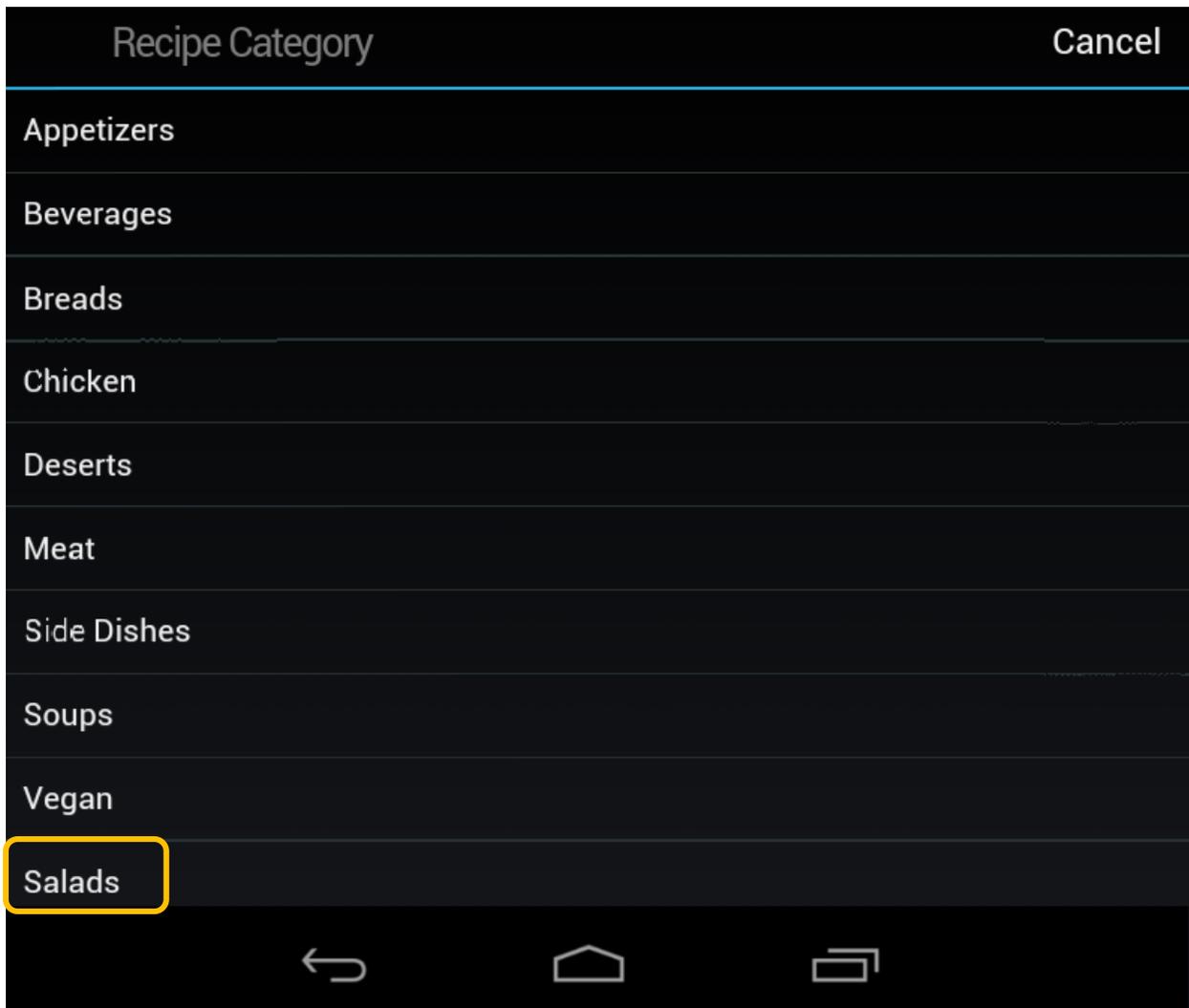


- ✓ Enter the data into the Fields



✓ From the Table below

Recipe Name	Caprese Salad
Recipe Category	Salad
Cook Time	15
Prep Time	15



- ✓ Choose Appetizers in the Recipe Category list



✕ CANCEL ✓ Save

Recipe

Recipe

Recipe Name * caprese salad

Recipe Category Salads

Cook Time * 15

Prep Time * 15

Total Time 30

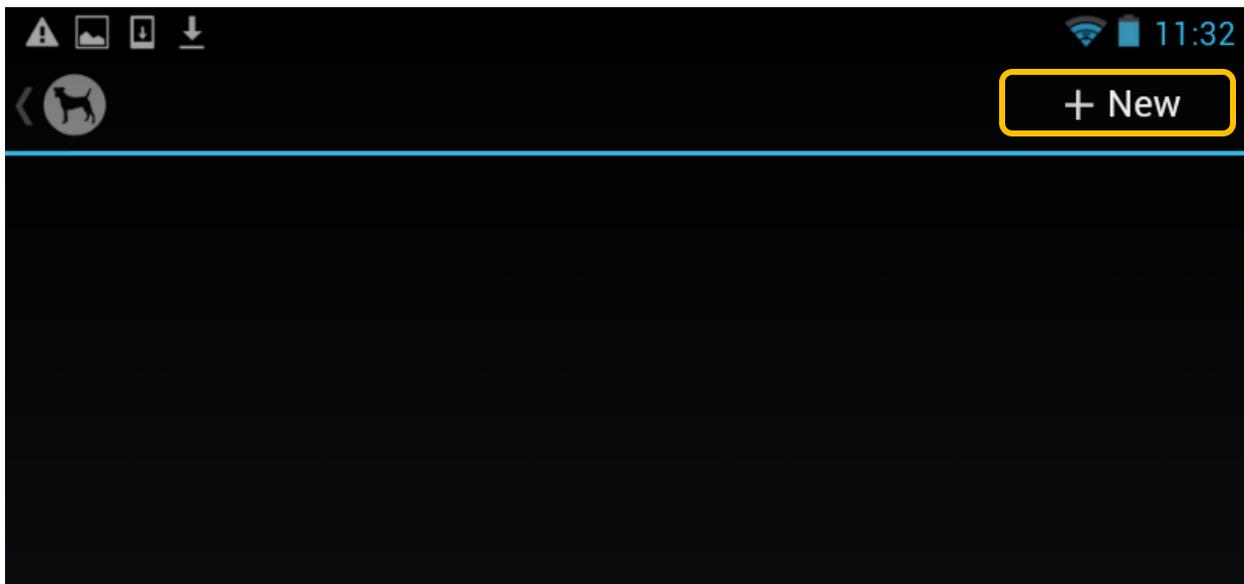
Extras

Multimedia

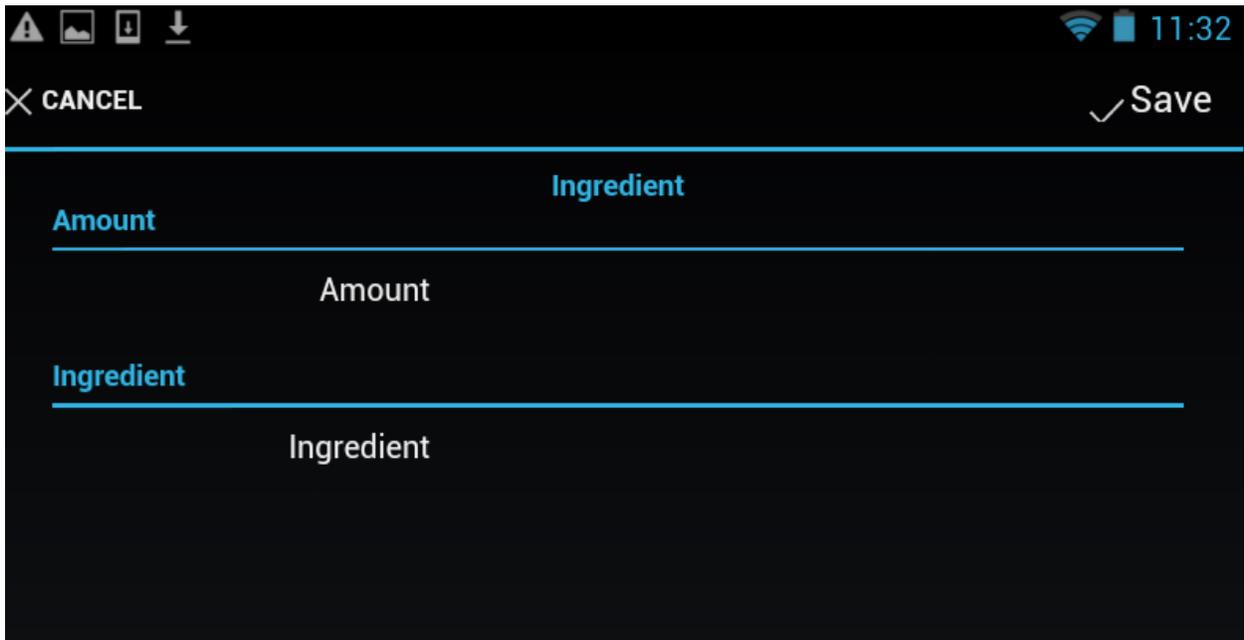
Ingredients List

← 🏠 ☰

- ✓ Click **Save** at the end
- ✓ Click **Ingredients List**



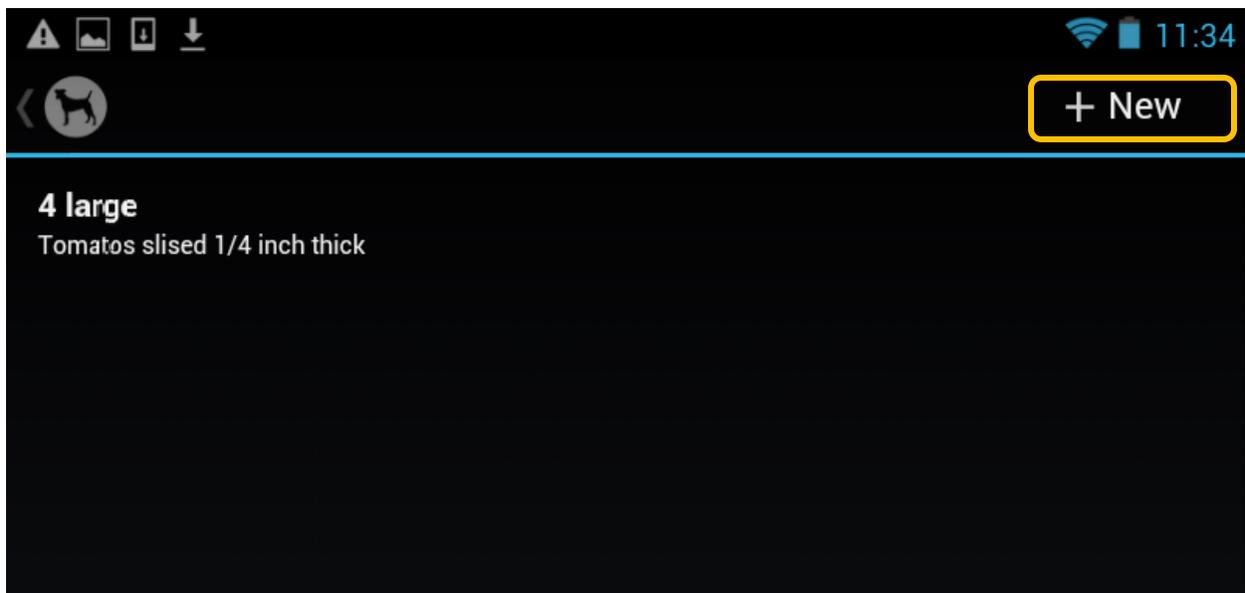
✓ Click on New



✓ Enter data into the **Amount** and **Ingredient** fields



✓ Click on Save



✓ Click New again



✓ And enter one Item per page and after each item click **Save**

When you finish entering Ingredients click on **Back** button



✕ CANCEL ✓ Save

Recipe

Recipe Name *	caprese salad
Recipe Category	Salads
Cook Time *	15
Prep Time *	15
Total Time	30

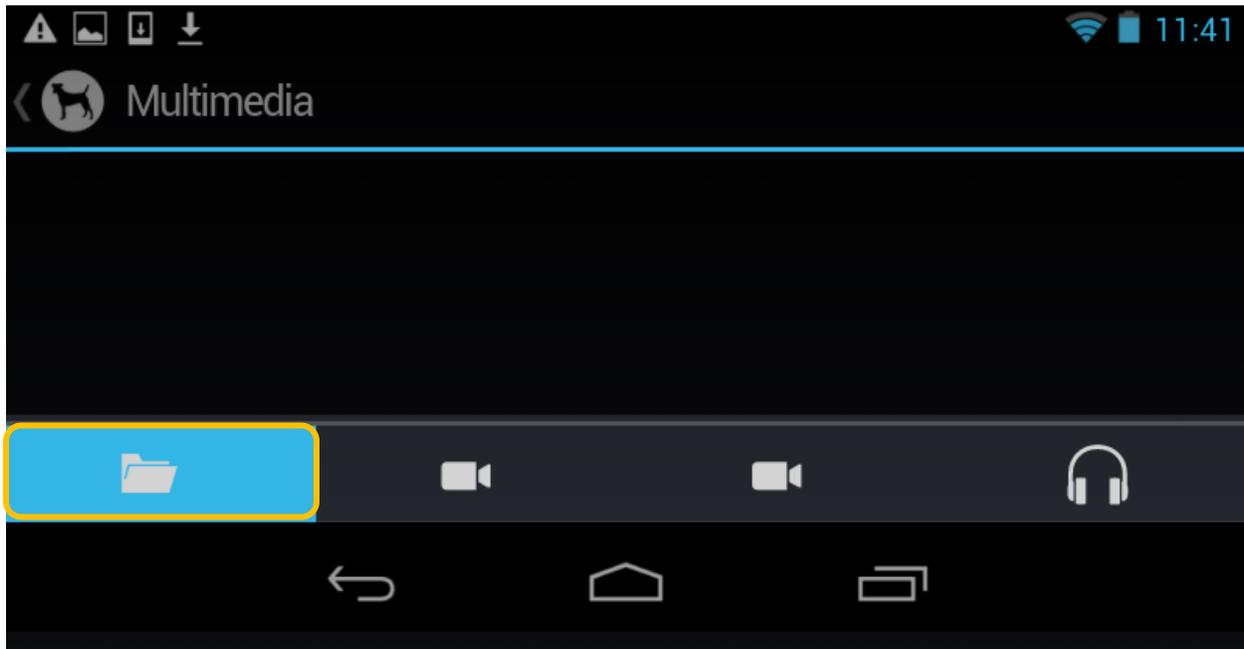
Extras

Multimedia

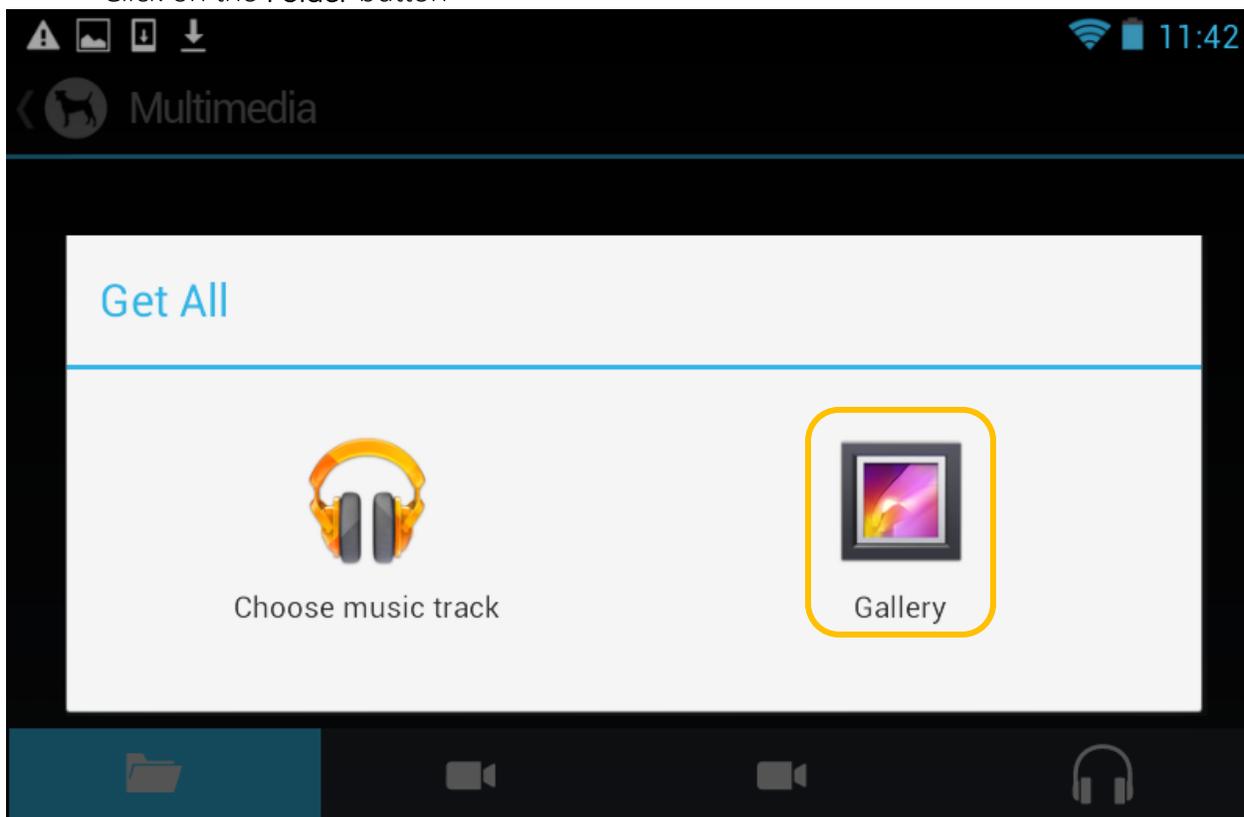
Ingredients List

← 🏠 ☰

✓ Now Click on **Multimedia** to upload a picture



✓ Click on the **Folder** button



✓ Choose a picture from your **Gallery**



✓ This is how your New Recipe will look in your app list on your Android.