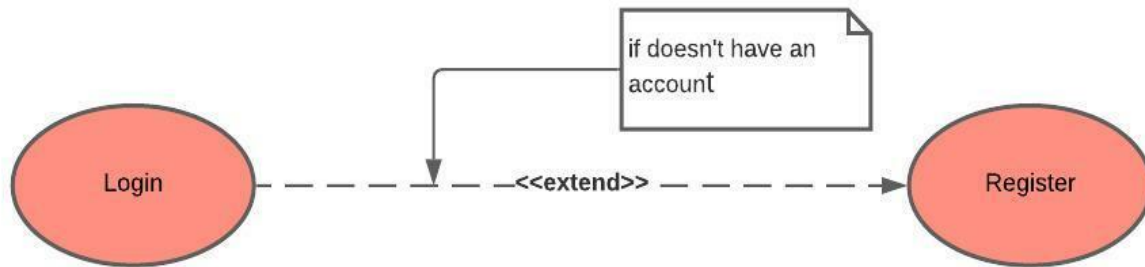


## • Register



<b>Use Case ID:</b>	Zar3a001
<b>Use Case Name:</b>	Register
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	User creates an account
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>• User needs to download the application</li> <li>• User needs an internet access</li> </ul>
<b>Post conditions:</b>	User has successfully created an account
<b>Triggering Event:</b>	User clicks "Register" button.
<b>Main Flow:</b>	<ol style="list-style-type: none"> <li>1. Open the application</li> <li>2. User enters his data</li> <li>3. User submit his data to system</li> <li>4. The system validates the user data</li> <li>5. The system send a verification mail to the user</li> </ol>
<b>Additional info for steps:</b>	Step 2: data is name, username, password, email.
<b>Alternative Flow:</b>	-if user enter non-valid data, an error message should appear to him.

## • Login



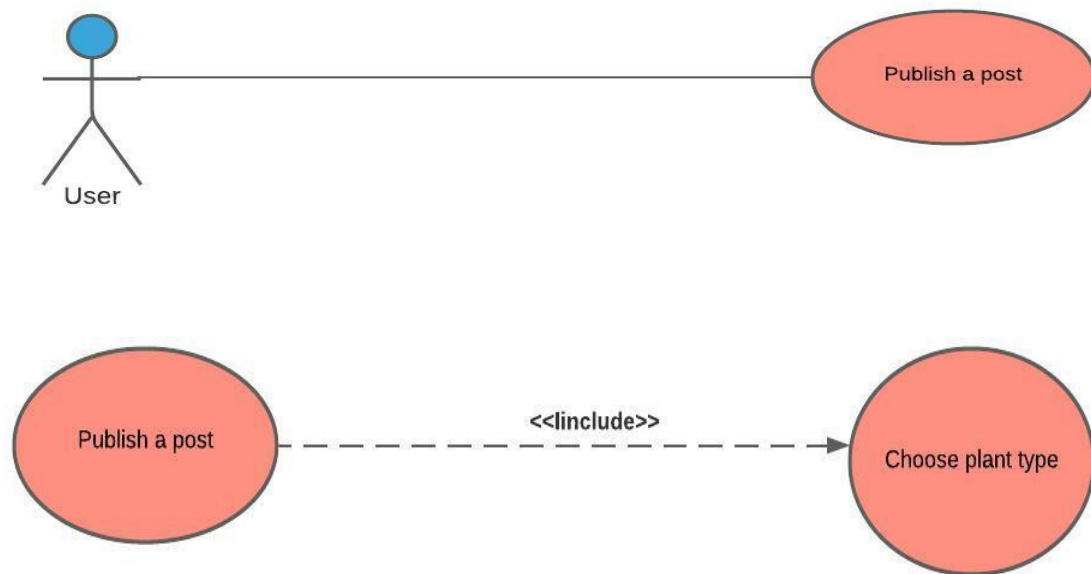
<b>Use Case ID:</b>	Zar3a002
<b>Use Case Name:</b>	Login
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	User login to the application using it's account
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>• User must download the application</li> <li>• User must an internet access</li> <li>• User must have an account</li> </ul>
<b>Post conditions:</b>	<ul style="list-style-type: none"> <li>• User has successfully logged into the application</li> <li>• The system display the main page of application</li> </ul>
<b>Triggering Event:</b>	User clicks "Login" button.
<b>Main Flow:</b>	<ol style="list-style-type: none"> <li>1. Open the application</li> <li>2. User enters his data</li> <li>3. User submit his data to system</li> <li>4. The system validates the user data</li> </ol>
<b>Additional info for steps:</b>	Step 2: data is username and password.
<b>Alternative Flow:</b>	-if user enter non-valid data, an error message should appear to him.

- Edit interested plants



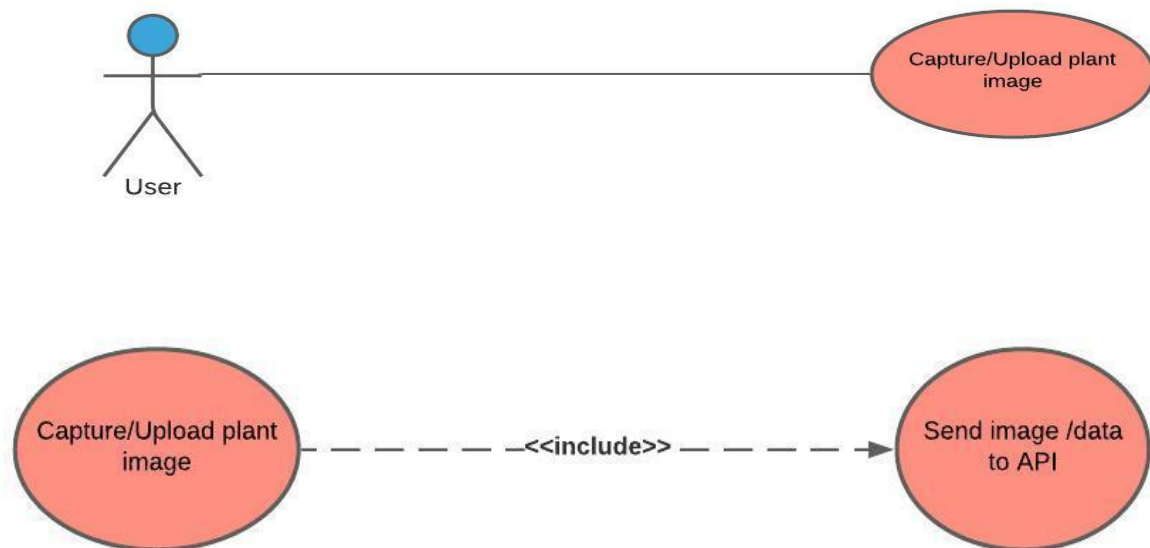
<b>Use Case ID:</b>	Zar3a003
<b>Use Case Name:</b>	Edit interested plants
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	User edit the pre-selected interested plants.
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>• User must download the application</li> <li>• User must an internet access</li> <li>• User must have an account</li> <li>• User must login to the application</li> </ul>
<b>Post conditions:</b>	<ul style="list-style-type: none"> <li>• Application update the selected interested plants to the user.</li> </ul>
<b>Triggering Event:</b>	User click "Update" button.
<b>Main Flow:</b>	<ul style="list-style-type: none"> <li>❓ User login to the application</li> <li>❓ User select the items</li> <li>❓ User submit the items</li> <li>❓ The application validates the items</li> <li>❓ The system update the selected items</li> </ul>
<b>Additional info for steps:</b>	Step 2, 3, 4, and 5: items are interested plants.
<b>Alternative Flow:</b>	-if user doesn't select any item, an error message will be appeared.

- **Publish a post**



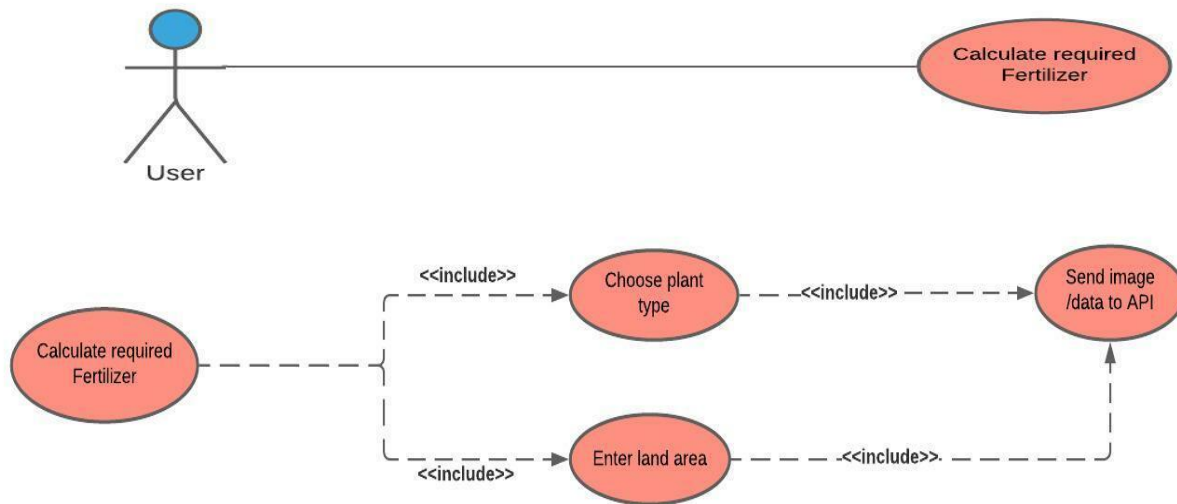
<b>Use Case ID:</b>	Zar3a004
<b>Use Case Name:</b>	Publish a post
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	User publish a post in the community area to get help in specific plant.
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>• User must download the application</li> <li>• User must an internet access</li> <li>• User must have an account</li> <li>• User must login to the application</li> </ul>
<b>Post conditions:</b>	Application will make the post available to all users of the application
<b>Triggering Event:</b>	User click "Post" button.
<b>Main Flow</b>	<ol style="list-style-type: none"> <li>1. User login to the application</li> <li>2. User choose plant type</li> <li>3. User submit the post</li> <li>4. The system validate the post</li> </ol>
<b>Alternative Flow:</b>	-if user doesn't choose a plant type or doesn't write any text in the post, an error message will be appeared.

## • Capture/Upload plant image



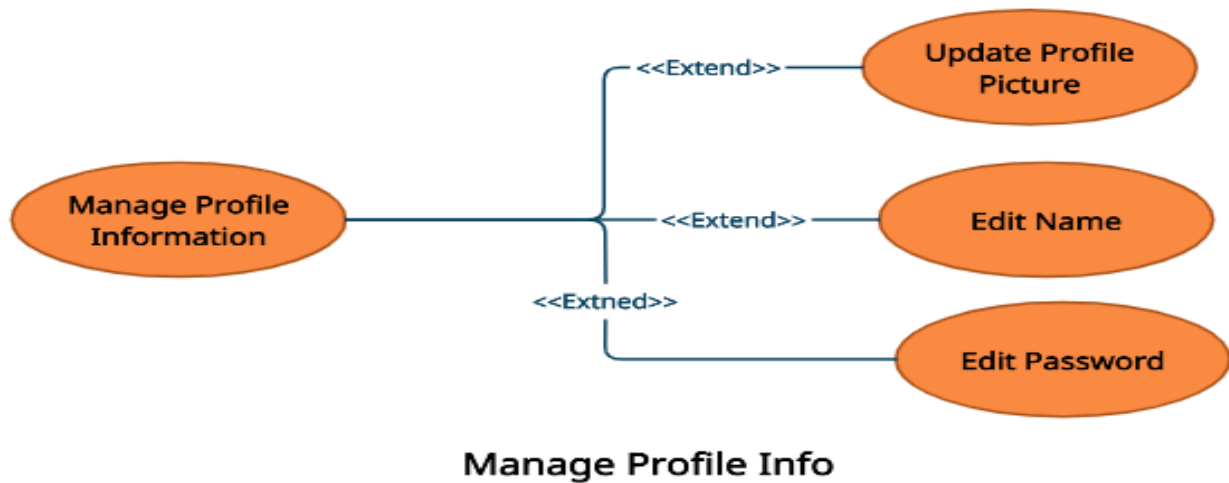
<b>Use Case ID:</b>	Zar3a005
<b>Use Case Name:</b>	Capture/Upload plant image
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	User upload or take an image of plant to see if it has a disease or pest.
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>• User must download the application</li> <li>• User must an internet access</li> <li>• User must have an account</li> <li>• User must login to the application</li> </ul>
<b>Post conditions:</b>	The User will have a paragraph shows the result.
<b>Triggering Event:</b>	User click "Take Photo" button.
<b>Main Flow</b>	<ol style="list-style-type: none"> <li>1. User login to the application</li> <li>2. User upload or take a photo</li> <li>5. User submit the photo</li> <li>6. The system validate the photo</li> <li>7. The photo is sent to the API.</li> </ol>
<b>Alternative Flow:</b>	-if user doesn't upload a plant image the application will display an error message.

## • Calculate required Fertilizer



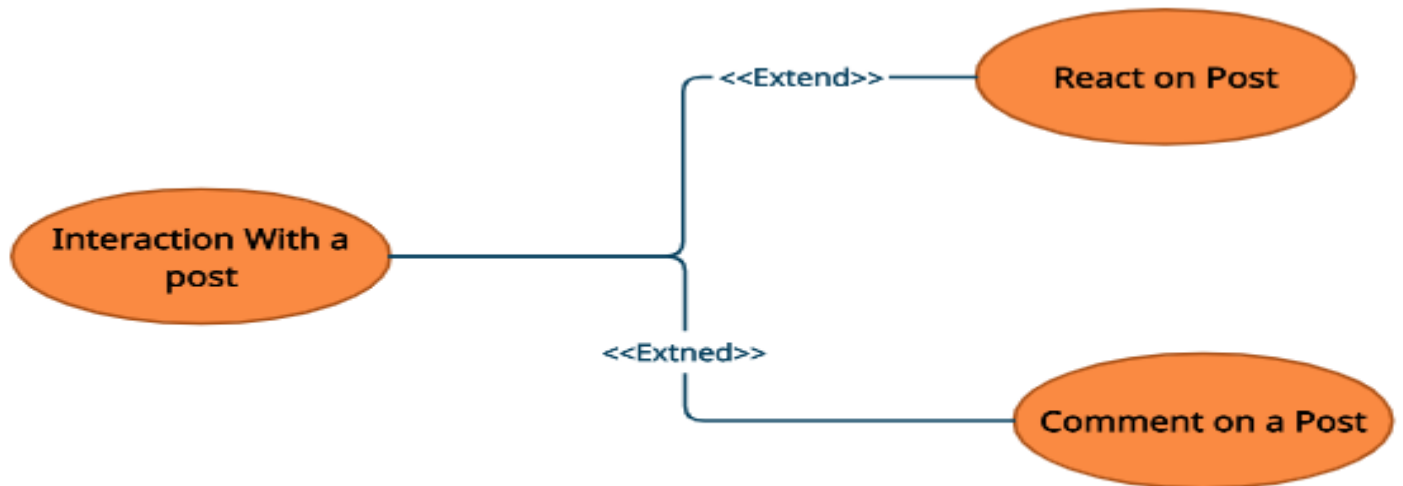
<b>Use Case ID:</b>	Zar3a006
<b>Use Case Name:</b>	Calculate required Fertilizer
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	User wants to know the amount of fertilizer suitable to his land area.
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>• User must download the application</li> <li>• User must an internet access</li> <li>• User must have an account</li> <li>• User must login to the application</li> </ul>
<b>Post conditions:</b>	User will have the required amount of fertilizer.
<b>Triggering Event:</b>	User click "Calculate" button.
<b>Main Flow</b>	<ol style="list-style-type: none"> <li>1. User login to the application</li> <li>2. User enter data</li> <li>3. User submit the data</li> <li>4. The system validate the data</li> <li>5. The data is sent to the API.</li> </ol>
<b>Additional info for steps:</b>	Step 2, 3, 4, and 5: data is the plant type and the land area.
<b>Alternative Flow:</b>	-if user enters invalid data, an error message will be appeared.

- **Manage Profile information:**



<b>Use Case ID:</b>	Zar3a007
<b>Use Case Name:</b>	User Information
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	Manage Profile Info
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>• User must have an account on the application</li> <li>• User must be logged into the application successfully.</li> </ul>
<b>Post conditions:</b>	User has successfully logged to his/her account
<b>Triggering Event:</b>	User clicks "Update profile data" button.
<b>Main Flow:</b>	<ol style="list-style-type: none"> <li>1. Open the application</li> <li>2. User enters his data</li> <li>3. User submit his data and photo to the system</li> <li>4. The system validates the user data</li> </ol>
<b>Additional info for steps:</b>	Step 2: data is name, profile image, password.
<b>Alternative Flow:</b>	-if user enter non-valid data, an error message should appear to him.  Ex: If the user uploads a file in the place designated for uploading a profile photo.

- Interaction With a post:



### Interaction With a post

<b>Use Case ID:</b>	Zar3a008
<b>Use Case Name:</b>	Posts actions
<b>Area:</b>	Application
<b>Actor:</b>	User
<b>Description:</b>	Interaction with a post
<b>Preconditions:</b>	<ul style="list-style-type: none"> <li>User must have an account on the application</li> <li>User must be logged into the application successfully.</li> </ul>
<b>Post conditions:</b>	User has successfully logged to his/her account
<b>Triggering Event:</b>	User clicks “react” icon.
<b>Main Flow:</b>	5. Open the application 6. User enters his data 7. User submit his data and photo to the system 8. The system validates the user data
<b>Additional info for steps:</b>	Step 2: user can react on any post.