# Functional Requirements & User stories

*What it must do*

* Provide the ability for the user to self-identify their own plant images
* Identify plants from users uploaded photos
* Provide alternative identifications to identified plants (Providing more possible options)
* Provide general information about each identified plant (Drawn from Wikipedia)
* Provide individual user accounts
* Display identified images of indoor plants in their respective geo-location on google maps.
* Display identified images of outdoor plants in their respective geo-location on google maps.
* When each location is selected, it will display the image and the brief description.

Behaviours

*How it must behave*

* The user must only have to log in once, the user should continue to be logged in when opening the app after the initial log-in.

## User Stories

### User:

1. As a user, I would like to be able to create an account.
2. As a user, I would like to be able to log into my account.
3. As a user, I would like to be able to log out of my account.
4. As a user, I would like to stay logged into my account until I log out.
5. As a user, I would like to see my account details.
6. As a user, I would to be able to change my account details.
7. As a user, I would like to be able to delete my account and all stored data.
8. As a user I would like to take a photo and find out what the plant is.
9. As a user I would like to use a photo I’ve already taken to find out what the plant is.
10. As a user I would like to see other possible identifications for the plant, in case the first match is not correct.
11. As a user I would to see more information about the plant which has been identified.
12. As a user, I would like to identify my own plant.
13. As a user, I would like to see my previously identified pictures and their associated information.
14. As a user, I would like to see what plants are grown outside, around me.
15. As a user, I would like to see what plants are grown inside, around me.
16. As a user, I would like to report offensive images.
17. As a user, I would like to hide images I find offensive.
18. As a user, I would like to see more information about the plants grown outside, around me.
19. As a user, I would like to see more information about the plants grown inside, around me.

### Admin:

1. As an admin, I would like the user details to be encrypted during transit and on the database.
2. As an admin, I would like the ability to view reported images.
3. As an admin, I would like the ability to delete reported images.
4. As an admin, I would like the ability to deactivate a user account.
5. As an admin, I would like to ensure that the users are aware that their image Geo-location is used.
6. As an admin, I would like to ensure that users are aware that their images can be viewed by other users.

# Non-functional requirements & User stories

*Availability, Capacity, Reliability, Maintainability*

* The app can still load without an internet connection, albeit with no functionality.

What could the app do?

* The user can view other profiles and their associated images.
* Associate Met Office weather data with the image time, data and location.
* Provide data on types of plants within specific locations.
* Provide growth data on types of plants within specific locations with relation to historic weather.

## User Stories

* As a user, I would like to be able to zoom in and zoom out on google maps, while viewing more or less plant photos.