

## Theme and Features

### Main Theme

The main theme of the mobile application this term for intro to iOS 303 is the Swift programming language and the Xcode IDE the will hold a library of information with instructions and information.

### Technologies



Swift 5



Swift UI



GitHub



Xcode

### Brand and Logo



Plantly is an interactive plant care mobile application for those who need knowledge on plants and a guide to gardening success.

## Essential Features

- Should have a splash screen with logo and meta info, such as the author and the version number of the app.
- The app should have an onboarding process with at least 3 cards or screens.
- Only display onboarding if it is the user's first time.
- A screen that displays the list of items in the library.
- Each list item must have a thumbnail, title, author, and a short description..
- The app should make it possible to search for a specific item.
- A screen that when a user clicks on an item, that shows more info on the item.
- There must be a settings screen to show the info of your app.

## Refined Features

- Implement a uniform unique UI style and design
- Micro Animations
- Make use of the visual imagery and icons where possible
- Make use of the Gestalt Principles in the design
- Make use of a specific colour palette that fits the theme
- Screen transitions animations
- Animations throughout the app
- Responsive Design
- Adding extra screens in to enhance the application

## Nice-to-have & Future Features

- Improve the performance of the mobile application through refactoring etc.
- Develop a feature to scan a plant and detect which plant it is and add it to the library or list of items with all the relevant information.
- Integrate some form of API and database for all the items
- Pop up notifications
- Profile section to gain access to more premium features
- Develop a desktop app version.