ABOUT

-The app provides users with a map that displays a satellite view centered on their current location.
-The map is zoomed in to a reasonable level, allowing users to clearly see the features.
-The app utilizes a user location based in Ness Gardens, and a location file simulating a walk around part of the gardens is planned to be made available.
-The App runs in IOS version 16 or higher

MAIN TABLE DATA

Below the map, there is a table that contains plant data. The data is grouped by bed and ordered based on the distance from the user's current location. Each bed is implemented as a different table section. Each cell in the table contains a thumbnail image of the plant (if available) and various textual details such as genus, species, infraspecific epithet, vernacular name, and cultivar name.

DETAIL PLANT DATA

When a user taps on a cell, the app displays an image or images associated with that specific plant, if available in the database. Additionally, relevant information about the plant is displayed using labels. If a plant record includes a valid latitude and longitude of the original plant origin, the app also shows a map indicating this information. However, if a plant is missing this information, the map is not displayed for that particular plant.

FAVORITES TAB

Users have the ability to mark plants as favorites and remove them. When a plant is marked as a favorite, it is added to the favorites tab bar. The list of favorites is saved into persistent storage, ensuring that it is retrieved every time the app is launched.