

PROJECT PROPOSAL

Team: Calvin Hicks, Jessica Lynch, Madison Rockwell, Noah Dillon, Olivia Abrant

Title: Florasphere - Plant Care App

Description: A mobile app to help keep potted plants alive and thriving by informing the plant owner about watering times, general care tips, etc. Users of our app include (1) existing plant owners who have hectic schedules and sometimes forget to water or care for their plants, (2) those considering plant ownership and new to plant care, and (3) those who lack a “green” thumb but want to give plant ownership another try!

Platform/Environment: Android and PC

Programming Languages:

	Calvin	Jessica	Madison	Noah	Olivia
Java	Proficient	Intermediate	Intermediate	Proficient	Intermediate
SQL	Novice	Beginner	Novice	Beginner	Novice
HTML	Novice	Novice	Novice	Novice	Beginner

Functionality:

- Plant “database” containing plant info
 - start with four plants if manually creating this db using Java (modules), SQL or JSON
 - alternative: access an already-built db, e.g. <http://plants.usda.gov/java> or <http://myfolia.com/plants> (downside: require connection to internet)
 - use object-oriented programming to create plant objects for our four plants
 - have base images: seedling or mature for the plant but the ability for user to customize the image and add others
- Home page – list of users’ plants with their health statuses
- General plant care (remind to water, fertilize, transplant, etc.) for potted plants only.
 - Remind me later option and ability to set custom reminder

Stretch goals:

- From-seed instruction and care
- Outdoor plant instruction and care with weather consideration, e.g. snow/frost expected so cover your flowers.
- In database, include DIY fertilizer/compost tips, e.g. if plant likes acidity, use coffee grounds
- If user is a new plant owner -- recommendation feature based on user’s availability/time commitment, low/partial/high sunlight, flowering/nonflowering, if they want a plant good for cleaning the air in their home, etc.
- Multi-hardware and platform compatible
- Reminders - have option to set “home” location (need user to turn on location services)