



GardenMate

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CS 387/639 2020

<https://github.com/ksong227/CS3876392020Project>



What is it?

- For the amateur gardener, planting one's own flowers and vegetables is an activity that can be rewarding but also overwhelming...
- This app aims to solve that problem and is a tool for keeping track of everything in one place.

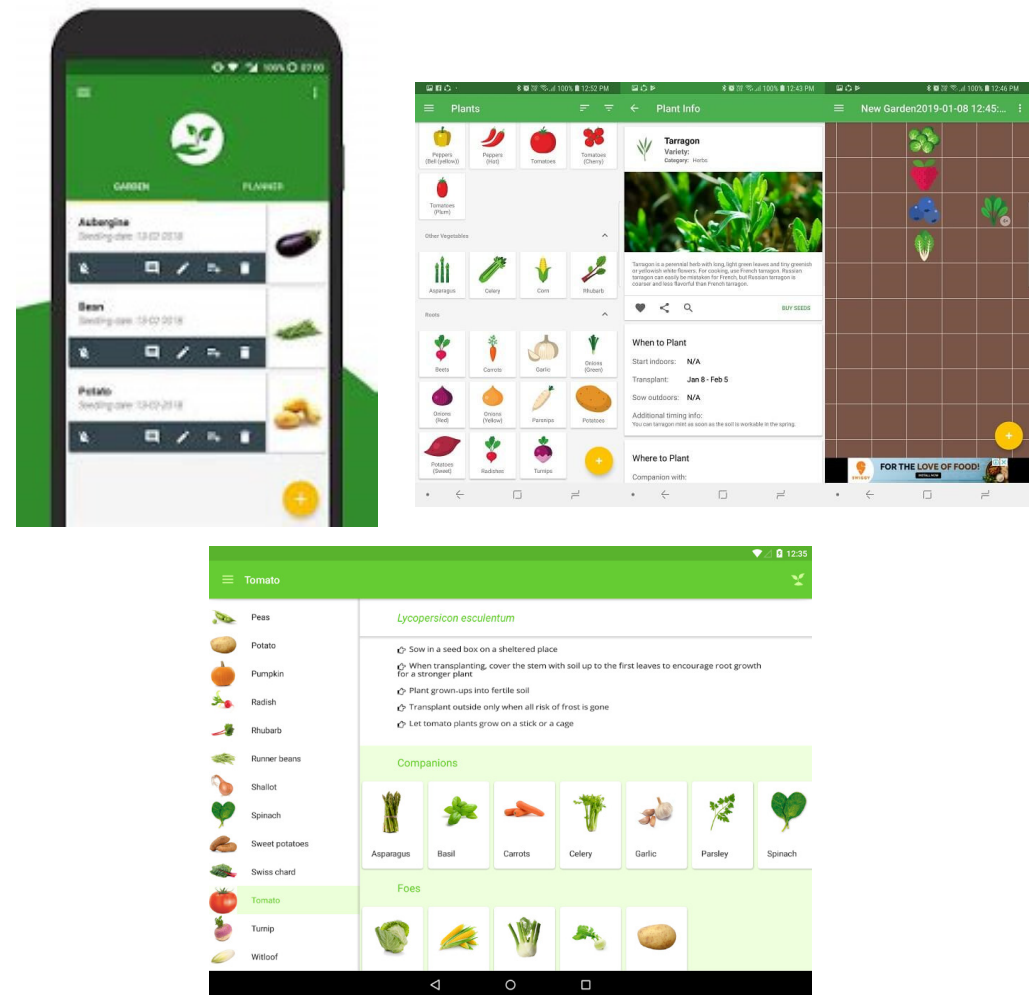
Who is it for?

- This tool is targeted towards amateur gardeners and the beginner horticulturist.
- Let's use "Karen" as an example. Karen is an average, married mother of two. She works a day job, but is also what you would call a homemaker. She is an avid promoter of healthy living and spends her time exercising and buying organic food for herself and her family. And what better way to get organic food than to grow her own. Ever since she began planting however, she's been desiring an app to help keep a personal memo of her vegetables and have a quick and easy way to look up information on each plant, saving her a lot of hassle.



Similar Apps on the Market

- My Vegetable Garden GLEYCO
- Planter - Garden Planner
- Gardroid






Features of this App

- User account and database storage with Firebase.
- Personal garden collection with easy image uploading to an album.
- Integration of Plant.net's API, providing deep-learning identification.
- Easy information lookup with online resources at the press of a button.

Features of this App



Log In

Email:

Password:


LOG IN

No Account? Sign Up Here!

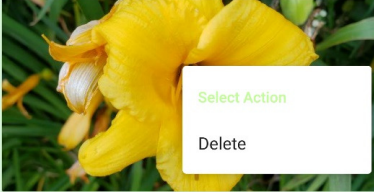
Register Account

SIGN UP

Already have an Account? Log In Here!

 **GardenMate**


Hemerocallis lilioasphodelus




Select Action

Delete

Unknown



Rhododendron catawbiense



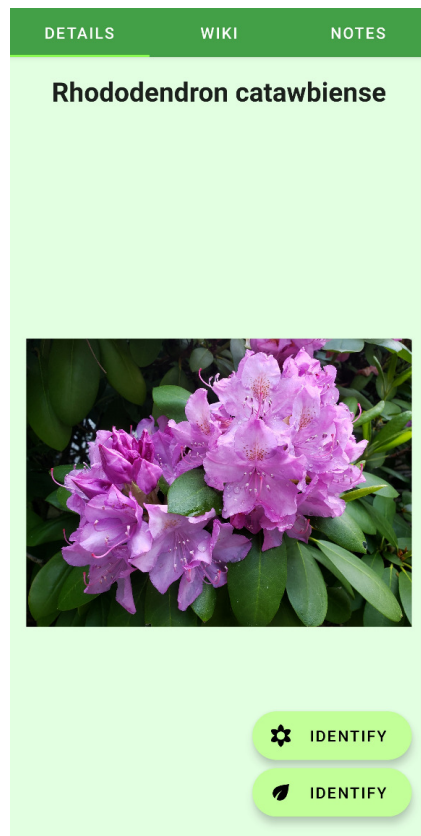
+ NEW

SELECT IMAGE



Go Back **UPLOAD**

Features of this App



Technologies Used

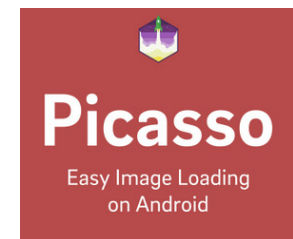
- Google's Material Design
- Google's Firebase API
- Plant.net API
- Picasso API



```
-MBqTPKcgfd-ti4nwZWD
  identified: true
  imageUrl: "https://firebasestorage.googleapis.com/v0/b/gar..
  name: "Hemerocallis lilioasphodelus
  notes: " "
-MBqTVy5p6pHoc_AU1ng
  identified: false
  imageUrl: "https://firebasestorage.googleapis.com/v0/b/gar..
  name: "Unknown"
  notes: " "
-MBqU8HiSRTBYTdZbFSq
  identified: true
  imageUrl: "https://firebasestorage.googleapis.com/v0/b/gar..
  name: "Rhododendron catawbiense
  notes: "hello!\n123\ntest"
```



Firebase





YouTube Demonstration

- <https://www.youtube.com/watch?v=K5glpAK3F7A>

Development Status and Problems





Documentation

- <https://github.com/ksong227/CS3876392020Project/wiki/Documentation>