Gardener's Best Friend

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ABSTRACT

UPDATED—September 18, 2023. Gardener's Best Friend is a mobile app for people who want to journal the status of their plants. The journal houses information about the plants' health and watering schedules entered by the user, as well as sunlight preferences. The purpose of this app is for users to keep up with their plants' schedules and learn more about their garden, and for users to get closer to their plants by taking pictures and writing about them in a journal. Gardener's Best Friend allows the user to add a plant by asking them to enter information about the plant, express whether the plant is inside or outside, and take a picture of the plant that is either taken from the camera or added from the gallery. Once a plant is added, the user can then provide updates about their plant, take or upload new pictures of their plant, and write about their plant in their journal. Gardener's Best Friend provides general information about each of the user's plants, such as the plant's preferences regarding soil types and sunlight. The app can send notifications to the user reminding them when they need to water their plants, using a watering schedule provided by the user. The location of the user is also used for the weather to determine if the user needs to water their plant that day based on if there has been some precipitation or not. Overall, the app is meant to be used by the average gardener, looking to keep records of their plants.

Author Keywords

Authors' choice; of terms; separated; by semicolons; include commas, within terms only; this section is required.

1. INTRODUCTION

This application will have a few different features available to the user. It will include a diary function where the user can make entries pertaining to their plant health. It will take advantage of either local storage or a database to store plant data. It will also require access to the camera/gallery in order to either be able to take pictures of the user's plant or if user has an existing photo, to allow for pictures to be added to diary entries.

One of the features of the application that we are planning for is the possible inclusion of Google API. Using this service, the user would be able to take a picture of their plant, send it to Google API and get information back about their plant such as the scientific name. Another feature that we are discussing is either taking advantage of the built-in calendar or making an app internal calendar for reminders for making entries/watering. Another possible feature would require location services. Using that data, we would tie into a weather forecasting application in order to get pertinent data for plant care.

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REFERENCES

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