

# Gardener's Best Friend

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## ABSTRACT

UPDATED—September 11, 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.

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## REFERENCES

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<https://www.unrealengine.com/en-US>, 2022.
2. J. G. Smith and H. K. Weston. Nothing particular in this year’s history. *J. Geophys. Res.*, 2:14–15, 1954.