Healthy Leaves

Sprint 1 Assignment

Presented to:

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***Abstract -*** Owning houseplants has become a ubiquitous practice particularly for the millennial demographic. However, one of the problems that arises from this practice is poor handling of houseplants typically because of lack of knowledge and dedication. To further the dilemma of lack of knowledge, different plants require different care routines which may seem overwhelming for some who possess many houseplants.

To circumvent this common issue, we are developing an android application that will centralize all this data and have it readily available for houseplant owners. The application will be connected to a sensor via Wi-Fi that can measure the temperature, moisture, and light exposure of the specific plant. This information would then be sent to the user via notification on the application where it will then prompt the user into various activities (ex: watering, changing plant location, etc.) to reinvigorate the health of said plant.

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# 1. Introduction

## 1.1 Product

An Android application that centralizes all relevant plant data collected from various sensors on a dashboard that allows users to better understand their plants. The product will have hardware and software components

## 1.2 Functionality

Collect information on plants and represent the data in an elegant fashion to the user where he can interact with it and learn about his plant needs.

## 1.3 Benefits and Goals

The benefits of owning our product is that users can optimize the time they spend with their plants by providing optimal care. The goal is to get more people interested in plant ownership by making it fun and easy for everyone.

## 1.4 Potential Users

The potential users are mainly millennials as they are more likely to be interested in house plant ownership. Additionally, any person who owns plants may be interested in our solution.

## 1.5 Abbreviations & Definitions

**Table 1: Story Abbreviations.**

|  |  |
| --- | --- |
| SOFT | Software relating to Android application. |
| ELEC | Electrical hardware and systems. |
| COEN | Computer engineering, mix of hardware and software. |

# 3. Requirements

**Table 2: Backlog Information.**

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# 4. Sprint Backlog

The goal of Sprint 1 is to develop functional prototypes of various systems for integration in Sprint 2.

**Table 3: Sprint 1.**

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