Team No. 7 Initial Project Description

**Team Members**

Matt Cherry, Kyle Curry, Kristi Daigh, Zach Freund, Ethan Lefert

**Project Name**

Terrafarm App

**Project Synopsis**

A mobile application containing a market place, data visualization, and unit interface for the Terrafarm farming module.

**Project Description**

This project is being undertaken because it provides an excellent opportunity for us to work on app development, data collection, and hardware interfacing. We hope to be challenged with the wide range of interactions between the different components of our project. These challenges are going to give us a wide variety of experiences that will be invaluable to us in whatever career we decide to pursue. We hope to get a minimum viable product that we can sell to Terrafarm to help them launch their vertical farming initiative. We also hope to get an app that will be launched on IOS and Android app stores, these would be great resume boosters for all of us.

**Project Milestone**

|  |  |  |
| --- | --- | --- |
| *Milestone* | *Including functionality* | *Date* |
| Initial Project Specification | • Project specification (Techstack, application logic, timeline)  • Preliminary design | 10/15/2019 |
| Skeleton App | • Mobile application framework  • Application landing page | 11/15/2019 |
| Database Established | • Database schema finalized  • Functional database | 12/01/2019 |
| Prototype App A | • Data visualization  • Marketplace | 02/01/2019 |
| Prototype App B | • Mobile app styling  • Unit interface capability | 03/15/2019 |
| Minimum Viable Product | • Testing suite  • App documentation | 04/15/2019 |

**Project Budget**

|  |  |  |
| --- | --- | --- |
| *Item* | *Cost* | *When* |
| Annual developer fee on Apple App Store | $99 | TBD |
| One time developer fee on Google Play Store | $25 | TBD |
| Hosted Server cost | $150 | TBD |

**Work Plan**

|  |  |
| --- | --- |
| *Task* | *Assigned Member(s)* |
| App development platform research/experimentation | All |
| Correspond with product owner | Ethan Lefert |
| Back-End development | Zach Freud, Matt Cherry |
| Front-End development | Ethan Lefert, Kyle Curry |
| Testing / debugging | Kyle Curry, Ethan Lefert, Matt Cherry |
| App styling | Kristi Daigh |
| Database definition | Kristi Daigh |
| Unit interface | Matt Cherry |