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