

Statement of work

Project name:	Begin date (DD/MM/YY):	End date (DD/MM/YY):
Farmbot Techlauncher	10/03/2019	31/05/2019

Scope of work:

Main objective: Create a powerful text and CSV based interface to command the FarmBot
Stretch Goal: Create a GUI to complement the text commands

Deliverables

1. Modular Python code that implements:
 - a) New version of Farm Design, Sequences, Regimens, and Events
 - b) Some way to test commands without ruining the garden bed.
2. All implementations should also be able to:
 - a) Create, edit and write to files that store the commands
 - b) Have their callable functions structured in a way that would easily support the future addition of a GUI.
3. Documentation:
 - a) Of the code
 - b) A user guide

More detailed version available at <<https://github.com/dopfer/Farmbot-Techlauncher>>

Schedule:

Week 2-3 Discovery Stage.

Week 4-5 Alpha Version - Able to send commands to FarmBot.

Week 6-9 Beta Version - Most commands have been implemented in code, which compiles and is received by FarmBot. Data is can be input through CSV and text files.

Week 10-12 Reflection and Improvements.

Milestones:

Phase 1: Discovery Report

Phase 2: Alpha version observations and testing outcomes

Phase 3: Implement the Beta version

Phase 4: Testings and Feedbacks to Beta Version

Phase 5: Improvements on Beta Version and Demonstration on functionality of project

Expected outcomes:

The FarmBot Platform should be capable of the following:

- 1). Define plant groups in grid or custom arrangement
- 2). Loop commands and actions
- 3). Commands can be associated with groups
- 4). Routine plants-picture taken and logs for supervising purpose.
- 5). Readable comments, high level documentation, and user guide for clients

Location of work and resources, equipment, and facilities needed

- 1). Australian National University
- 2). Access to FarmBot XL for discovery and testing. 3). Access to Farm Fields for testing.

Signatures of both parties

Client



Techlauncher Team

ZW

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