

# Product Layout

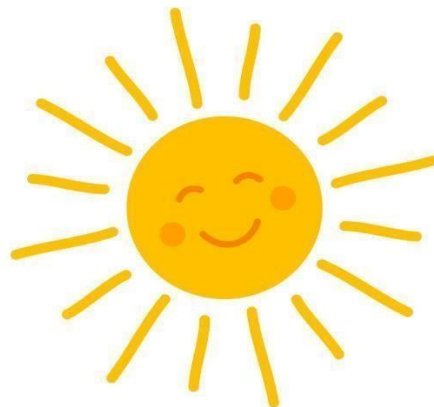
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*The Sunshine boys*

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## Crop Management System

- **Muhammad Qamar** N01344609
- **Tanvir Pahwa** N01245843
- **Noha Philips** N01351336
- **Sivajan Manikavasagar** N01240148



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# Team Contract

## Humber College ITAL

[Company Address]

[City, ST ZIP Code]

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*Please negotiate, sign, scan and include as the first section in your Deliverable 1.*

**Please note that if cheating is discovered in a group assignment each member will be charged with a cheating offense regardless of their involvement in the offense. Each member will receive the appropriate sanction based on their individual academic honesty history.**

**Please ensure that you understand the importance of academic honesty. Each member of the group is responsible to ensure the academic integrity of all of the submitted work, not just their own part. Placing your name on a submission indicates that you take responsibility for its content.**

**For further information read Academic Honesty Policy on  
<https://humber.ca/legalandriskmanagement/policies/search-by-students.html>.**

Team Member Names (Please Print)	Signatures	Student ID

Project Leader:  Sivajan Manikavasagar		N01240148
Muhammad Qamar		N01344609
Noha Philips		N01351336
Tanvir Pahwa		N01245843

By signing this contract, we acknowledge having read the Humber Academic Honesty Policy as per the link below.

<https://academic-regulations.humber.ca/2018-2019/17.0-ACADEMIC-MISCONDUCT>

Responsibilities of the Project Leader include:

- Assigning tasks to other team members, including self, in a fair and equitable manner.
- Ensuring work is completed with accuracy, completeness and timeliness.
- Planning for task completion to ensure timelines are met
- Any other duties as deemed necessary for project completion

### What we will do if . . .

Scenario	Accepted initials	We agree to do the following
Team member does not deliver component on time due to severe illness or extreme personal problem	SM NP TP MQ	a) Team absorbs workload temporarily __ b) Team seeks advice from professor __ c) Team shifts target date if possible __ d) Other: All three
Team member cannot deliver component on time due to lack of ability	SM NP TP MQ	a) Team reassigns component __ b) Team helps member __ c) Team member must ask professor for reference material __ d) Other: A or B

Team member does not deliver component on time due to lack of effort	SM NP TP MQ	a) Team absorbs workload ____  b) Team "fires" team member by not permitting his/her name on submission ____  c) Other: Team tries to fix the issue first but then if no changes option B
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Scenario	Accepted initials	We agree to do the following
Team member does not attend team meeting	SM NP TP MQ	a) Team proceeds without him/her and will assign work to the absent member  b) Team doesn't proceed and records team member's absence ____  c) Team proceeds for that meeting but "fires" member after ____ occurrences ____

An unforeseen constraint occurs after the deliverable has been allocated and scheduled (a surprise test or assignment)	SM NP TP MQ	<p>a) Team meets and reschedules deliverable __</p> <p>b) Team will cope with constraint __</p> <p>c) Other: <b>Team will concur on the urgency of the constraint and choose between a or b</b></p>
Team cannot achieve consensus leaving one member feeling "railroaded", "ignored", or "frustrated" with a decision which affects all parties	SM NP TP MQ	<p>a) <b>Team agrees to abide by majority vote</b></p> <p>b) Team flips coin __</p> <p>c) Other:</p>
Team members do not share expectations for grade desired	SM NP TP MQ	<p>a) Team will elect one person as "standardsbearer" who has the right to ask that work be redone __</p> <p>b) Team votes on each submission's quality _</p>

Scenario	Accepted initials	We agree to do the following
		<p>c) <b>Team will ask for individual marking and will identify sections by author</b></p> <p>d) Other:</p>

Team member behaves in an unprofessional manner by being rude or uncooperative	SM NP TP MQ	<p>a) Team attempts to resolve the issue by airing the problem at team meeting</p> <p>b) Team requests meeting with professor to problem-solve __</p> <p>c) Team ignores behaviour __</p> <p>d) Team agrees to avoid use of all vocabulary inappropriate to the business setting __</p>
Team member assumes or requests that his/her name be signed to a submission but has not participated in production of the deliverable	SM NP TP MQ	<p>a) Team agrees that this is cheating and is unethical __</p> <p>b) Friends are friends and should help each other __</p> <p>c) Team will submit with signature but will advise professor who will take action</p>
There is a dominant team member who is content to make all decisions on the team's behalf leaving some team members feeling like subordinates rather than equal members	SM NP TP MQ	<p>a) Team will actively solicit consensus on all decisions which affect project direction by asking for each member's decision and vote __</p> <p>b) Team will express subordination feelings and attempt to resolve issue</p>



Scenario	Accepted initials	We agree to do the following
		c) Other:
Team has a member who refuses to participate in decision making but complains to others that s/he wasn't consulted	SM NP TP MQ	<p>a) Team forces decision sharing by routinely voting on all issues ____</p> <p>b) Team routinely checks with each other about perceived roles ____</p> <p>c) Team discusses the matter at team meeting ____</p>

## Github Link

[SivajanManikavasagar0124/CropManagementSystem \(github.com\)](https://github.com/SivajanManikavasagar0124/CropManagementSystem)

The screenshot shows the GitHub repository settings page for 'SivajanManikavasagar0124 / CropManagementSystem'. The page is titled 'Settings' and includes a sidebar with various options: Options, Manage access (selected), Security & analysis, Branches, Webhooks, Notifications, Integrations, Deploy keys, Actions, Secrets, and Pages. The main content area is titled 'Who has access' and shows two sections: 'PRIVATE REPOSITORY' and 'DIRECT ACCESS'. The 'PRIVATE REPOSITORY' section indicates that only those with access to this repository can view it, with a 'Manage' link. The 'DIRECT ACCESS' section shows that 4 collaborators have access to this repository. Below this, the 'Manage access' section is visible, featuring a search bar and a list of collaborators: Hak11, muhammadQamar4509, NohaPhillips1336, and tanvirPahwa5843. Each collaborator entry includes a checkbox, a trash icon, and a 'Type' dropdown menu.

## Project Background and Description

1. Describe the project goals and final vision.

The project goal is to create an app that encapsulates the essentials of a crop management system. Make sure that the application fully integrates the front-end and back-end code. The final vision is to have an app that is robust, intuitive and should be infinitely scalable for commercial purposes.

2. Describe the software aspect and hardware

The software aspect for this project would be to create an app to monitor a crop land. The app would be able to access all immediate data collected by the sensors and perform certain actions based on user request.

The hardware aspect for this project would be to use 3 or more sensors to collect and record data from crops.

3. Describe the screen flows.

The screen flow would be something like first fragment you can see all your data regarding the crops, second fragment would be settings to change anything you would need, last fragment would be the automation commands for the user to perform actions. Basically, the user would first look at their crop data, see if changes need to be made and lastly choose whether to water the crops or do nothing.

4. How will you incorporate the feedback provided through the interview?

We intend to incorporate the feedback provided through the interview by using it as constructive criticism and making changes where need be.

5. Demonstrate how you are planning to satisfy to read / write from the DB which is hosted on the cloud.

We plan to demonstrate the read/write function from the database by using fire base to read the users data on the crops and then using that data to perform user tasks. Additionally, we will store user profiles on the database and specific analytics which are stored to improve the functionality and automated capabilities of the application.

## Project Scope

Our project scope or plan is to create an app which acts as a crop management system which collects data from multiple sensors like temperature, moisture, and humidity. With which after the user can make changes on what they would like and lastly use the app to carry out certain actions. Also, to allow the user to override the automation and water on command. We will know the project is complete when the user is able to use and log live data from the sensors which then can be used to perform actions or tasks based on the users request.

## Theme

