

# Project Proposal

Team HarvestX

## Problem:

Under the current investigation of the existing FarmBot demo website for trial experience purposes, the website is lack of attractiveness for the potential FarmBot customers.

In particular, there are a lot of missing essential features / components that potential customers are not able to experience or access without having FarmBot, which might become a major concern for them on the practicability of deploying an actual machine in their own home usage environment.

## Idea:

Facing this issue, our team have gathered an idea to further improve the user experience for the FarmBot dashboard demo to make it more useful and attractive for potential customers to experience the potential benefits that they will gain after purchasing their own FarmBot device.

## Tackle:

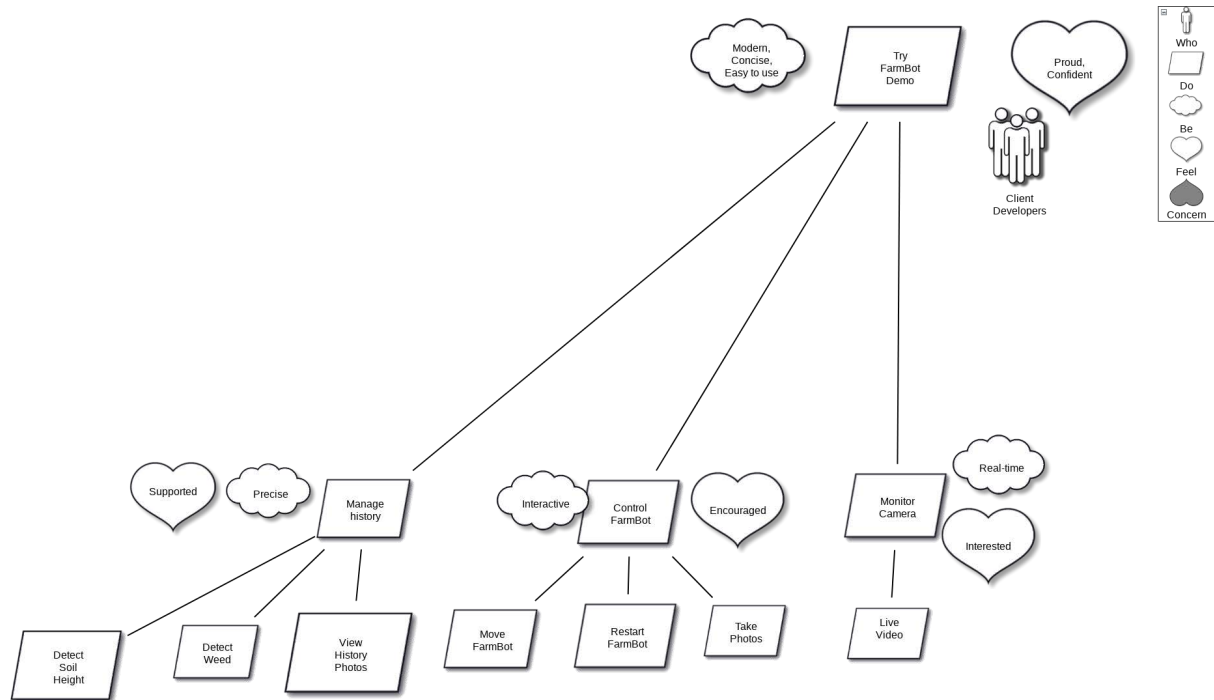
Solve the missing core features in demo FarmBot Web App.

# User Story

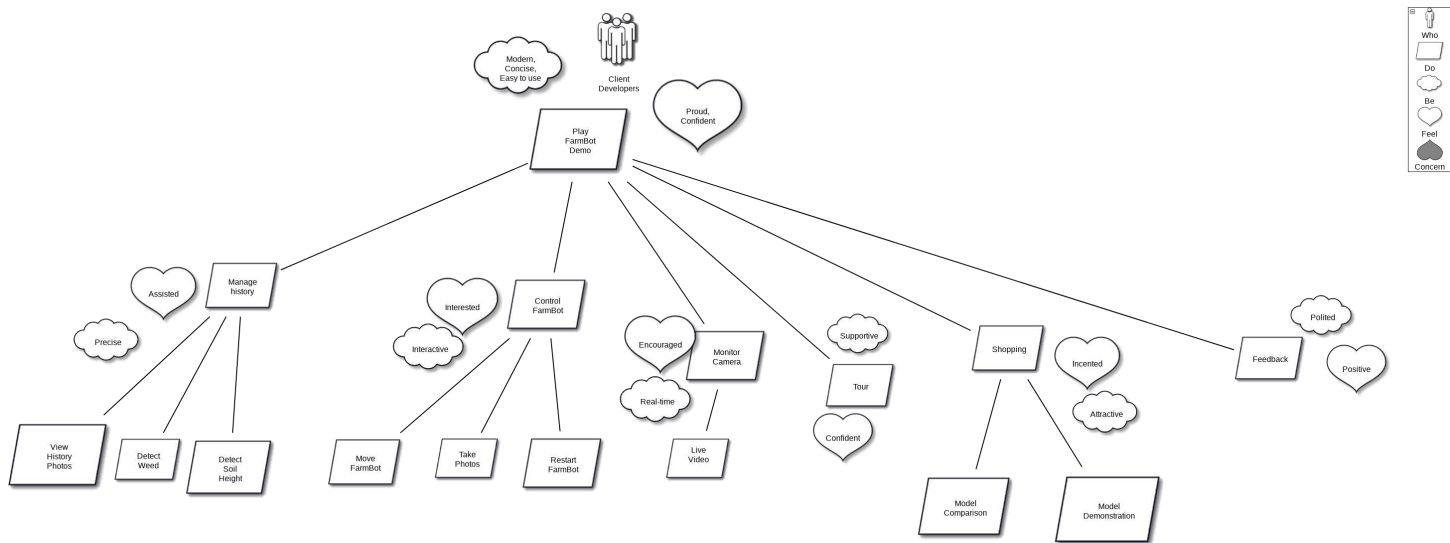
Epic ID	Story ID	User Story	Action	Response	Priority
<b>Epic 1 Photos</b>	<b>1</b>	As a potential FarmBot user, I want to explore and manage photos within the demo interface.	Click Filter tab photos	display photos in the photos tab	must have
	<b>2</b>	As a potential FarmBot user, I wish to test the weed detection feature in the demo platform.	Click detect weeds	Show weeds exist in the photo	must have
	<b>3</b>	As a potential FarmBot user, I'm interested in determining soil height using the demo platform.	Click measure in the measure soil height tab	Display soil height	must have
<b>Epic 2 Movement</b>	<b>4</b>	As a potential FarmBot user, I want to navigate the FarmBot using the movement dashboard in the demo platform.	Click move in the MOVE tab to a direction	simulated movement updated on the map	must have
	<b>5</b>	As a potential FarmBot user, I want to capture images via the movement dashboard in the demo platform.	Click take a photo button in the MOVE tab	new sample photo added	must have
	<b>6</b>	As a potential FarmBot user, I wish to reset the FarmBot through the movement dashboard in the demo interface.	Click reset in the power button under MOVE tab	Simulate movement back to the origin, delete photos	must have
<b>Epic 3 Webcam</b>	<b>7</b>	As a potential FarmBot user, I want to view video footage within the demo interface.	Click webcam tab	see a video footage of the device	must have
<b>Epic 4 Tour</b>	<b>8</b>	As a potential FarmBot user, I need a clear and readable tour guide text box.	Enter the demo tour	See a new tour guide that is more readable, with buttons easier to click.	should have
<b>Epic 5 Shopping</b>	<b>9</b>	As a client, I want the demo to display pop up Farmbot ads to the user.	When user is using the demo features	A box pops up showing purchase link and picture of the model	Could have
	<b>10</b>	As a potential FarmBot user, I need to compare features and constraints of each model when demo in progress.	Select from a panel of available models	Show features are supported by selected model	Could have
<b>Epic 6 Feedback</b>	<b>11</b>	As the client, I want to see user feedback from the web app.	Click rating and select a rating 1-5	The rating is sent	Won't have

# Motivational Modelling

Micro scope model: all must haves



Broad scope model: all epics



## Non functional requirements

1. Usability: Potential users should be able to efficiently and smoothly try the operations of farm bot, such as weed detection, soil height detection and manage photos in demo system.
2. Usability: The demo should make potential users to experience the feeling of using a real farm bot when trying out the demo, need to craft user scenarios that reflect actual use cases of a farm bot.
3. Portability: The farm bot should be viewed nicely on both mobile device and computer.
4. Performance: The demo farm bot should be able to complete every actions within a maximum response time limit.