User Testing Questionnaire

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| Module Code | AC40001 |
| Module Name | Individual Project |
| Researcher | Gerardo Blanco Bernal |
| Participant No. | 2 |

By ticking the box bellow, you hereby give consent for the researcher to use the data gathered in this user testing session and questionnaire for research and feedback purposes. No private information will be stored.

☐ Yes, I give consent. If I later decide to withdraw from the participation, the gathered feedback will be discarded and no information about me will be withheld.



# Test User Questions

1. Create a bot on Telegram and input your Bot API token using the buttons. Are the buttons responsive?

☐ Yes



☐ No

If No, please explain any issues you may have encountered:

1. Once entered your bot token correctly, a welcome screen shows up on the display. Rate the difficulty of the first time ChatBot setup.

☐ 1 (Very Easy)



☐ 2 (Easy)

☐ 3 (Moderate)

☐ 4 (Hard)

☐ 5 (Very Hard)

1. Did you have any problems performing the first-time setup?

☐ Yes

☐ No



If Yes, please explain any issues you may have encountered:

1. Send the ChatBot a greeting message. Do you receive a reply?

☐ Yes



☐ No

If No, please explain what you can see:

1. Ask the ChatBot for help using the ‘/help’ command. What do you see?

The ChatBot replies with an explanation of the commands it accepts

1. Have both messages been replied to in a logical manner?

☐ Yes



☐ No

If No, please explain what you can see:

1. Please ask the ChatBot for the temperature of the greenhouse. What do you see?

The ChatBot replies with the internal and internal temperatures



1. Do the temperatures seem logical?

☐ Yes



☐ No

If No, please explain why:

1. Using the weed plants that the researcher has given you, place them in front of the camera. Have you received a notification?

☐ Yes



☐ No

If No, please explain what you see:

I received a notification, but it took some time to recognise them. It wasn’t as immediate as I was expecting, but it still works nonetheless

1. Refresh your memory of the ChatBot functionality by asking for help, this time don’t use the ‘/help’ command. What do you see?

The ChatBot replies with the same explanation that was sent earlier when I used the command

1. Turn on the irrigation. Did anything happen?

☐ Yes

☐ No



Please explain what happened:

The ChatBot replies to the request stating that plants don’t need watering yet

1. Turn off the irrigation. Did anything happen?

☐ Yes

☐ No



Please explain what happened:

No because the irrgiation wasn’t turned on to begin with

1. If the window is open, ask the chatbot to close it, otherwise ask it to open it. Did anything happen?

☐ Yes

☐ No



Please explain what happened:

The window was open and the ChatBot replied stating that it could not be closed yet

1. Ask the ChatBot when the last time the irrigation was used. Does the time correspond to when it was last activated?

☐ Yes



☐ No

Please explain what happened:

The time is from before I started the questionnaire, so it should correspond to when it was last activated.

1. Ask the ChatBot for the last time the ventilation window was used. Does the time correspond to when it was last opened?

☐ Yes



☐ No

Please explain what happened:

The time is from before I started the questionnaire, so it should correspond to when it was last opened

Thank you for completing the questionnaire. Please take some time to answer the optional questions below.

Optional Question: Can you think of any other products that resemble this one? If yes, what products?

I don’t think so. I don’t know of amy greenhouses that can detect weeds with a camera

Optional Question: Was the overall experience straightforward, did you encounter any issues?

I did not encounter any issues, it was a straightforward experience overall.

Optional Question: Were there any features of the prototype that seemed redundant? If so, which ones?

No features seemed redundant, I thought they were all interesting

Optional Question: Which features do you feel that the prototype was lacking?

I don’t think it lacks any features. However, the weed detection could be a bit more accurate so that it doesn’t take as long, but it’s not a necessity.

Optional Question: Which device would you use for this product ?

On my phone