User Testing Questionnaire

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| --- | --- |
| Module Code | AC40001 |
| Module Name | Individual Project |
| Researcher | Gerardo Blanco Bernal |
| Participant No. | 5 |

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 has sent me a message explaining the commands it can understand

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?

A message detailing the internal and external temperatures of the greenhouse



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:

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 same message that detailed the commands the chatbot can understand

1. Turn on the irrigation. Did anything happen?

☐ Yes

☐ No



Please explain what happened:

The chatbot sent a message stating the the soil was not dry enough to turn the irrigation on yet

1. Turn off the irrigation. Did anything happen?

☐ Yes

☐ No



Please explain what happened:

The irrigation system isn’t turned on so there is nothing for it to turn off

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 chatbot messaged stating that the windows 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 seems to be from before I started testing it, so I guess it correlates to the last time it was used.

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 also from before I started testing it, so it must correlate to the last time it was used.

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?

No other products that I know of resemble this prototype. Specially none that have a chatbot or an app for the system

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

It was an enjoybale experience, everything was straightforward and easy to use.

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

I don’t think any of the existing features should be removed, they all seemed to have a utility in the prototype.

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

Maybe a way in which to only connect to the last saved bot token so that no other devices can overwrite my connection to the greenhouse chatbot, making it more secure.

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

A smartphone.