User Testing Questionnaire

|  |  |
| --- | --- |
| Module Code | AC40001 |
| Module Name | Individual Project |
| Researcher | Gerardo Blanco Bernal |
| Participant No. | 3 |

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?

I see the commands which the ChatBot understands

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?

I see the internal and external 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:

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

I see the same message that was sent as a reply to ‘/help’

1. Turn on the irrigation. Did anything happen?

☐ Yes

☐ No



Please explain what happened:

Nothing happened as the plants apparently don’t need watering yet

1. Turn off the irrigation. Did anything happen?

☐ Yes

☐ No



Please explain what happened:

Nothing happened as the irrigation wasn’t originally turned on

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:

Nothing happened as the window was open and the chatbot said it needs to stay open.

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:

I received a timestamp for the last time the irrigation was used which is before I started testing the system, so it should be correct.

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:

I received a timestamp for the last time the ventilation window was used which is before I started testing the system, so again, it should be correct.

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?

Only industrial scale greenhouses have I seen with so much environmental control

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

I thought the system was easy to use, no major skills required to use it.

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

I thought all features worked well, no need to remove anything in my opinion.

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

I think considering the sheer number of components involved, it would be nice for the chatbot to alert me if any of them stopped working all of a sudden.

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

I would use my phone, maybe even my laptop with Telegram Desktop.