

User Testing Analysis for Release 1 (Interim)

by [HomeGuard](#)

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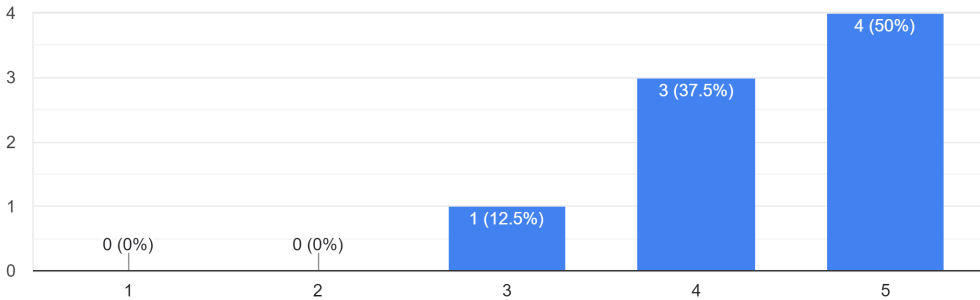
After testing the application participants were made to fill out a questionnaire on Google Forms with questions regarding the design, usability, features and any challenges they faced or suggestions for improvement.

Google Form link:
https://docs.google.com/forms/d/e/1FAIpQLSdBpW0irLryl1cpxPRyX88t3chDXpJOWkQ820BCtDs7JZUC6g/viewform?usp=sf_link

Section 1: Ratings

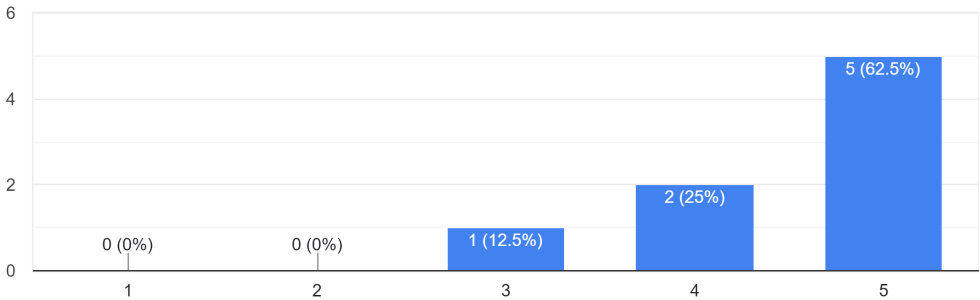
The first 6 questions were required as they were only multiple choice answers to give general feedback on users' experience with the app. We got 8 responses altogether.

How would you rate the overall usability of the HomeGuard app?
8 responses



Conclusion: This tells us the overall usability of the app was perfect for half of participants and only found to be mediocre by one with others thinking it was pretty good.

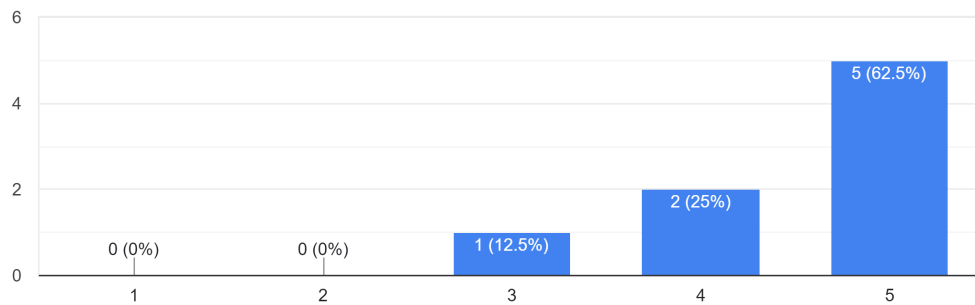
Was the app intuitive and easy to navigate?
8 responses



Conclusion: The app was found to be extremely intuitive and easy to navigate by over half of participants, which aligns with our universal design principle of simple and intuitive use.

Did the app meet your expectations for home security?

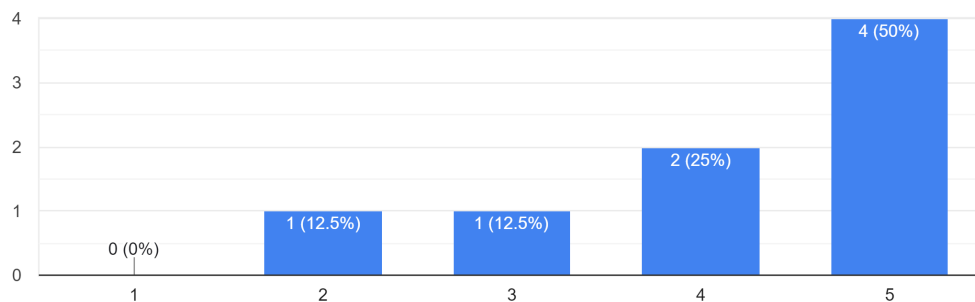
8 responses



Conclusion: Over half of participants were extremely satisfied with the home security features of our application.

How would you rate the design of the app in terms of aesthetics?

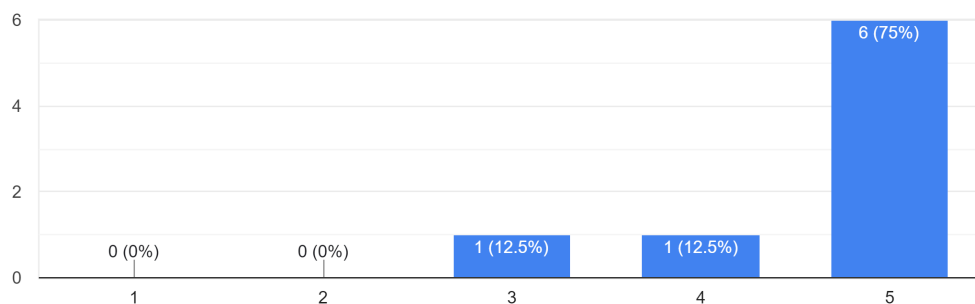
8 responses



Conclusion: Half of participants were very happy with the aesthetics of the app however some users didn't find it as appealing. This suggests it would be good to implement the ability to change the theme or customize the app to their own liking.

How accessible was the app for your personal needs (e.g. visual clarity, text size, colour contrast)?

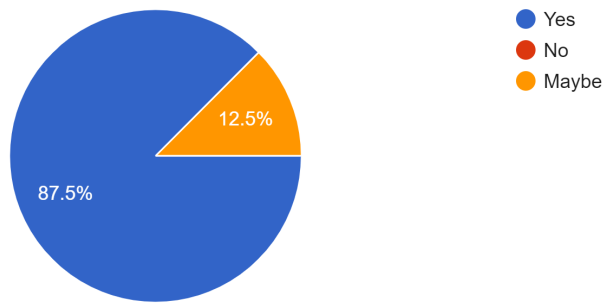
8 responses



Conclusion: In terms of accessibility of the app, users were extremely satisfied. This aligns with our universal design principle of perceptible information, ensuring readability.

Would you recommend this app to others?

8 responses



Conclusion: Overall users seemed to be very happy with the app and would even recommend it to others. All participants said yes, with only one user saying maybe.

Section 2 : Challenges & Suggestions for Improvement

The rest of the questions weren't required so the user wasn't forced to give feedback on challenges or suggestions if they can't think of any. We still garnered some useful responses giving insight on how we can improve the HomeGuard system. Participants gave some similar answers so they have been grouped together with the number of people that gave that response.

What did you like the most about the HomeGuard app?

7 total responses

- "Voice changer ability. Never seen that before" - 3 people
- "It was very easy to use" - 2 people
- "Good way of seeing who is at your door" - 1 person

Conclusion: User's favourite feature was the ability to use a voice changer, as they had not seen it used before. They also liked that it was easy to use and being able to see who is at their door.

What did you find most challenging or frustrating while using the app?

6 total responses

- "Nothing it was very simple" - 4 people
- "A bit complex if instructions weren't given" - 1 person

Conclusion: Overall users did not find it challenging as they found it simple to use. However one user remarked that without instructions throughout the test they might have found it complex.

Are there any features or functions you would like to see added to the app?

7 total responses

- "No not that I can think of" - 3 people
- "A zoom in feature" - 1 person
- "It has many good features already" - 1 person

Conclusion: Most users could not think of any new additions as it is already feature-rich, but one did suggest for the ability to zoom in on the app using the camera or while viewing recordings.

Do you have any suggestions for improving the app's design or usability?

4 total responses

- "Separate the background and components for better colour contrast and readability"
- "Pre-recorded messages need to be more prominent"
- "On screen instructions on first time use to guide user"
- "No"

- Conclusion:** Users suggested that:
- The website should use a card-like feature for the components to contrast with the background colour.
 - Pre-recorded messages button should stand out more
 - There should be on screen instructions on first time use to guide user

Please share any additional feedback or suggestions you have for the app.

3 total responses

- "It looks good, definitely useful. I will use it once its implemented"
- "Light continually on to alert would be burglars and scare them from proceeding"
- "Remove address input in settings for privacy"

Conclusion: Additional feedback was that it looks good and users would find it useful. Suggestions were to include a light on the system to turn on to alert and deter potential threats and remove the need to input your address to the app as it is an unnecessary piece of private information to give out.

Suggestions for Improvement

- Improve contrast by separating components from the background using a card-style design.
- Make the pre-recorded messages feature more prominent.
- Include on-screen instructions or tutorials for first-time users.
- Consider removing the address input field to protect user privacy.
- Add a zoom feature and an optional light deterrent to enhance functionality.

Conclusion

The HomeGuard app was generally well-received, with participants appreciating its ease of use, innovative features like the voice changer, and its effectiveness in enhancing home security. The app also aligns well with our Universal Design Principles:

1. **Perceptible Information:** Clear readability and intuitive design were praised, though minor adjustments to colour contrast could improve accessibility.
2. **Flexibility in Use:** Features like pre-recorded messages and the voice changer offer options for varied user needs, but additional enhancements like the suggested zoom functionality would improve flexibility further.
3. **Simple and Intuitive Use:** The app’s layout and flow were intuitive, but first-time guidance would ensure a seamless experience for all users.

The user feedback highlights that the app meets key objectives and design principles while providing actionable insights for further refinement. These improvements will enhance its appeal and usability for a broader audience.

Comments
