HOME SECURITY ROBOTS

The problem with most security system cameras is that they're fixed in place. We have come up with a set of small patrol robots that can move around a designated area and detect suspicious movement.

AUTHORS

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AFFILIATIONS

Smart mobile

INTRODUCTION

For this project, we had the objective to improve the lives of a Persona with a topic we had to focus on. The persona and topic were given to use beforehand. These are Kara the millennial and the topic of security. With these constraints, we came up with two contenders: Home Security and Psychology. Because we felt like Home Security had the most potential for an interesting app we went with it.

OBJECTIVE

How do we make Kara less anxious about her home security

METHODOLOGY

For this project, we used the Design thinking methodology which consists of five phases. Each day this week we focussed on a different phase of the methodology

RESULTS

We think adding Home Security in the life of Kara is the way to improve her mental health. For this we came up with robots that can patrol around and outside your house. These bots are configurable and controllable within our mobile app. The app also alerts Kara whenever a bot has detected something and gives Kara a feeling of security when she's not home.

PROCESS

We started with empathizing with Kara and fleshed out her situation to get a better view of our target audience. We did this to see which area of their lives we could improve.

We then defined what problem in their lives could be improved within our given topic.

Then we started with the ideation phase on how to solve our problem. We did this by first thinking of a big idea and compromising to an idea which we could execute.

We then started thinking about what our app might look like. We've built a prototype in which we showcase which features our app has and thought of scenarios that might happen in our app.

Finally, we asked for feedback from some people and incorporated their feedback

STORY BOARD

CONCLUSION

To conclude we thought that improving Kara's home security with patrol robots was the best way the help her. We couldn't find any security bots that can climb walls, however, we could find normal robots that can. We believe that combining these robots with multiple security sensors makes for a great way to secure your home.