

Team/Instructor scrum #1

Team member & project (re)introductions

Members: Qurrat and Annoor

Project: The project is a smart mirror aimed toward people without the ability to communicate using their voice. It will be a smart mirror that can perform operations based on gestures. It will extend technologies already available on smart devices, using existing user data and displaying it with simple gestures. It will also be able to automate existing IoT devices like lights, alarms and outlets.

Scrum dates

Sept.10, 2021 - Sept. 24, 2021 (October 3rd)

Status description

The project is currently in the **Yellow** zone. We have flushed out our project idea and completed basic project documentation. We have also discussed the project with our mentor, Professor Yow. We are still slightly behind compared to where we were expected to be, but we should be fully caught up by Scrum #2. We have a plan going into next week and are ready to move forward.

Team members contributions

Since the previous scrum, these have been the following contributions made by the team members:

Qurrat:

- Completed Project Charter and Business Case document
- Formatted the wiki
- Researched project implementation information

Annoor:

- Completed half of the documentation necessary for the vlog, wiki page and GitHub
- Completed Stakeholder and Project Scope document
- Researched Kinect implementation ideas

Project issues

Currently, we don't have any pressing issues. Our main concern going forward is flushing out the gesture recognition technology and making sure the user interface is compatible with the camera in a way that can be viewed on the smart mirror. A secondary concern is researching the realities of connecting our smart mirror to an existing smart device like Google home, and whether we can implement it to the extent we currently want.

Project changes

Since the last scrum, our main project change has been regarding the scope of the project. We narrowed our target demographic to people that have hearing/speaking impairments. As well, we decided that our smart mirror would connect to an existing smart device and work as an extension.

Documentation overview and/or project demo

So far, we have some of the hardware necessary for our project (two-sided mirror, Microsoft Kinect). We have also completed the documentation necessary to begin the project. This includes the Project Charter Document, Business Case Document, Project Scope Statement and the Stakeholder Management Plan. These are the only things we have so far.

Next up

In the next several weeks, we are planning on narrowing down exactly what we want this mirror to look like. We are aiming to have the main documents completed such as use-case scenarios, user stories, RACI charts, risk response documents, etc. We also want to have begun coding for the body-tracking or complex application display (depending on which way we decide to market the mirror in the current scrum).

In terms of individual contributions, we will most likely split the work between us evenly, however it may be that Qurrat does some more of the documents and front-end work while Annoor looks more at the back-end work needed to begin coding for the project.

Team reflection

While our team doesn't feel fully on track at the moment, we are hopeful about the progress we can make now that we have a project idea approved. We're excited to start working on this smart-mirror project and we feel good about the possibilities we have to make it a success. However, neither of the members have experience with this area of software, so it will be a challenge to learn and apply the skills we need.

While we don't need any help currently, we may need some AI concept clarifications from Professor Yow or advice from Professor Maciag on how to make sure we are setting strong goals for our project.