

## **Team member & project (re)introductions**

Project: The project is a smart mirror aimed toward people with different forms and levels of disabilities. It will be able to perform operations based on gestures and voice control, depending on user preference. It will extend technologies already available on smart devices, using existing user data and displaying it with simple gestures and commands. It will also be able to automate existing IoT devices like lights, alarms and outlets.

Our roles and responsibilities have stayed the same, with Annoor focusing more on the gesture/voice-control aspect and myself focusing more on the user interface connectivity and documentation.

## **Scrum dates**

January 25 - March 1

## **Status description**

The project is currently in the green zone. While we have had to re-examine some of our deadlines, overall the project is going along inline with the Gantt we have made.

## **Team Member Contributions**

Since the previous bazaar day, these have been the contributions made by each member:

Qurrat:

- Implemented UI functionality for alarms and weather page
- Revised user interface to be more accessible and user-friendly
- Designed the images (thumbnails, etc) to be used in the mirror

Annoor:

- Added voice commands
- Clean up code
- Google Calendar integration
- Improved gesture tracking

### **Project issues**

- One issue that our team is currently facing is on the back-end of the events page and IoT devices. At this time, we are using JSON files and token files that contain user information to log into Google calendar and control the IoT devices.
- While this works smoothly, there is no way for a user to log into their google calendar through the mirror or add IoT devices through the mirror, so we are trying to figure out a workaround for this problem. In the worst-case scenario, we will file this task as a future MVP.

### **Project changes**

We are thinking of changing our last IoT device from a thermostat to a security camera due to price and ease of integration.

### **Documentation overview and/or project demo**

Some demo clips can be viewed here: <https://youtu.be/x5D41Og0Nmc>

For our project, we currently have the following things working:

- Navigation using Gestures and Voice commands
- Google Calendar events synchronization
- IoT devices such as lights control
- Weather display
- Visual trigger using alarms

### **Next up**

Qurrat:

- Fully implement alarms page
- User testing
- Security camera implementation (maybe)
- Project day presentation and documentation

Annoor :

- Clean up UI
- User testing
- Security camera implementation (maybe)
- Project day presentation and documentation

## **Team reflection**

### **Discuss:**

1. Does the team feel "on track"? (reiterate the above colour status)

Yes, our team feels on track. We are on track with our goals.

2. What progress does the team particularly feel good (great) about?

We feel that we are really close to completing the project and having a fully functional smart mirror ready to go. We also feel really good about having an events page working as well.

3. What barriers (if any) does the team feel are a current impediment to success?

Our biggest hurdle is just making sure to balance out our code and our documentation, as project day gets closer we want to make sure we are ready on all fronts.

4. What help (if any) does the team require to move positively forward?

We don't feel like we need any specific help at the moment, other than the advice during scrums and progress meetings with Professor Yow and Professor Tim.