EE/CprE/SE 492 BIWEEKLY REPORT 3

February 9 -February 23

Group number: sdmay18-20

Project title: A Disappearing A-pillar

Client &/Advisor: Professor Kim Jaeyoun

Team Members/Role:
- Yixuan Wang —Team Communicator
- Han Liao —— User Interface/Image Acquisition Programmer
- Wenrui Wu —Image Acquisition Programmer
- Shengliang Liu—Program Tester
- Guantong Zhou —User Interface Programmer
- Yaowei Lee — Team Website Designer/Image Processing Programmer

---

o **Weekly Summary**

    • We did the visibility test this week and we start to prepare our next presentation.

o **Past week accomplishments**

•   Yixuan Wang: We did the testing this week to measure the possibly distance and angle for the visibility. And we took the picture to show our results.

•   Han Liao: I did the test to measure the visibility on our App.We evaluate the visibility through different height and distance.

•   Wenrui Wu: I offered my car as a test car and measured data with my teammates.

•   Shengliang liu: We have got the data from the distance test.

•   Guantong Zhou: We finished the testing last week and we tested out the largest distance of view and angle of visibility.

•   Yaowei Lee: Looked up the latest technologies in search of an Android device that would be most suitable for our application to work on.

Figures: The photos we took during testing. We tested the largest angle of view as shown in first two pictures. The tester held a paper with letter on it and we test out the longest distance of visibility as shown in the third picture.

o **Pending issues**

• We have gotten the data about the visibility, but we need to do more testing details on the image about explanation for the visibility next week.

o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Yixuan Wang	We did the testing this week about the distance and angle for the visibility. The image can show our results clearly. And we add this image to our ppt to show our results. Then, we meet with our professor, he said that we need more details about our image so that audience can understand better.	8	24
Han Liao	This week we tested the angle of visibility for our tablet. According to our original plan, We evaluated the tablet from different angles and distance. Finally we organize our data into presentation slides. And I did some research online to learn how to build other feature functions for our app.	8	24
Wenrui Wu	My team and I tried to do the test about the tablet. The aim of this test is to find the max range of our tablet, including the distance to pedestrian and other objects . In a sunny day of last week, we finally finish the test and get reliable data to our project. And next thing we need to do is to analysis this data and put it into slides so that we can present to our customers and start to improve our product.	8	24

Shengliang liu	We have get the data for the highest and lowest height related to the distance, we made a table. But it is not easy to give the audience a directly perception. So we have a idea which is to make a image or a flash to show the height and angle difference related to the distance.	8	24
Guantong Zhou	We went to test our project last week. We measured the longest distance and the largest angle of visibility. We will make a image for the visible range with the data we get in the testing.	8	24
Yaowei Lee	We presented our project to our senior design professor the past week and the task we have for this week is to run a few tests on the application to determine how to improve the app.	8	24

- ○ **Plan for coming week**
    - Team Member 1: Yixuan Wang: For the next week, I need to test our results again with more details explanation. Continue to prepare our PPT for next presentation.
    - Team Member 2: Han Liao: Since our professor are not satisfied with our testing result, its inconvenient to read the data. I will make a corresponding model according to the result we got this week.
    - Team Member 3: Wenrui Wu: Keep doing data analysis of the previous test and prepare the presentation. .
    - Team Member 4: Guantong Zhou: Make the image of the visible range with the data.

- Team Member 5:Yaowei Lee: Do some tests with the app to determine what is the optimal distance for images to display at the highest quality.
- Team Member 6: Shengliang Liu:Deal with the data we have measured, make it easier understanding.

o **Summary of weekly advisor meeting**

- The accuracy of our data need to be improved and needs to include more details about angle and distance.