sdmay18-20: A Disappearing A Pillar
Week 6 Report
October 23 - October 30

Team Members

Shengliang Liu — *Program Tester*
Guantong Zhou — *User Interface Programmer*
Han Liao — *User Interface/Image Acquisition Programmer*
Wenrui Wu — *Team Communicator*
Yixuan Wang — *Image Processing Programmer*
Yao-Wei Lee — *Team Website Designer/Image Processing Programmer*

Summary of Progress this Report

1)In the past week, we finished the introduction of our product part and we uploaded our profile into the App.
2)We've implemented the Camera part in the App and it can shows the images on the screen.
3)We've synchronised our App onto the tablet and made sure it works perfectly
4)We rebuild a new camera class which will implement the shaped image.

Pending Issues

1)The picture that captured by camera need to be cut so that it would match the size and shape of the car pillar
2)How to set our tablet on the model car and how to fix it with the correct angle that could best improve the view of driver.

Plans for Upcoming Reporting Period

1)Figure out how to make the screen display the camera in a parallelogram shape so it would make the car A-pillar looks as if it is transparent, making it a "disappearing" A-pillar..
2)Need to start completing the other options in the menu such as Pillar Size, Settings, Tools, etc.
3)Need to find a way to fix our tablet onto the A-pillar of the model car and adjust it to the best angle possible to best assist the driver.
4)We will learn and research some materials to achieve the function which can pass the user's entered data into our image generation activity.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Shengliang Liu	My work is most of the privacy information of Android Studio which is the APP we are using. We have uploaded the head portrait and succinct introduction of all the team members. We have changed the size of the image we uploaded and scrip to make the interface in orderliness.	10	26

Guantong Zhou	In past week, we worked on making the user interface. We finished the introduction part in our app and adjusted the size, font and color of the introduction and profile parts and tried to make it looks good. We also set a background picture for these two parts.	10	26
Han Liao	In the past week, I rebuilt a real-time camera activity which implements the parallelogram-shaped image. Based on the width and angle we measured this week, I made a display same image view which will show the outside views covered by pillar, rendering the A-pillar essentially "disappearing", hence the title of our project.. After this, I am started working on the "Customized" function. It records the user entered data successfully, but I can't pass those data into our image generation activity. There are some coding skills I will learn and focus on and I hope to figure it out next week.	15	31
Wenrui Wu	I am in charge of setting up our tablet on the model car, to be more specific, my SUV. In this week, my teammates measured the size of the A-pillar in the vehicle and I jotted down these data. After trying several times, we still could not find a way to fix the tablet onto the car. Hopefully in the next few weeks, we could work it out. Besides, we have also uploaded our teammates' personal profiles into the device, we have also wrote an introduction of our product and uploaded it onto our device.	10	26
Yixuan Wang	In the past week, we figured out how to set up the tablet on the A pillar of the car to make it disappear. We measured the width and the degrees angle for the A-pillar in SUV to make sure the size of the video window from camera. I uploaded my portrait and my email for contact information.	10	26
Yao-Wei Lee	I worked mainly on improving the image quality displayed on screen obtained via the built-in camera such that images acquired will be clearer. I am also currently learning to magnify the images display without forsaking image clarity.	10	26