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## ***EE/CprE/SE 492 BIWEEKLY REPORT 1***

***January 15 – January 26***

***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 —Team Communicator
- Shengliang Liu—Program Tester
- Guantong Zhou —User Interface Programmer
- Yaowei Lee — Team Website Designer/Image Processing Programmer

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### o **Weekly Summary**

- We have our first meeting with all of team members and advisor. We analysed the problem left from last semester and made a plan for this semester.
- Because of the delay problem left from last semester, we plan to update our hardware first. In order to have a better processor, we want to borrow the up-to-date phone, Samsung galaxy S8, from our friend and try it with our App.
- In order to find the best option and regarding of our budget, we also want to try some other bands phones that run Android system to see which one suits our project better..

### o **Past week accomplishments**

- Yixuan Wang: Worked on phone processor research for different bands and meeting with the professor to talk about the project plan for this semester.
- Han Liao: Did some research online to get a better processor and camera.
- Wenrui Wu: Set up meeting time with professor as well as group members, purchasing google phone from Amazon.
- Shengliang liu: Consider the main direction of the work the team should do.

- Guantong Zhou: Found different devices options to make our program works better, such as Samsung S8
- Yaowei Lee: Looked up the latest technologies in search of an Android device that would be most suitable for our application to work on.

○ **Pending issues**

- Han Liao: Test our App on Samsung S8 and other phones. List all of feature functions which will be added in our App later.
- Yixuan Wang: Continue to search the phones. Write an PPT which can basic introduce what we did last semester.
- Wenrui Wu: Ordering phone online, and do the test to find the best suitable phone for our project.
- Shengliang liu: Search the phones which use android and has it camera at the corner.
- Guantong Zhou: Need to find a way to get the devices to test out our program and find the best one to work on.
- Yaowei Lee : Continue doing a search for the most suitable device.

○ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Yixuan Wang	We met with our professor to decide a meeting time every week and we talked about our project goal for this semester. We did some research to find a new tablet with high speed response processor. Currently, we think that Samsung S8, Huawei P 10, mate 10, and Mi Max3. We will try our App on these phones to see which one is better.	4	4
Han Liao	We have our first meeting with advisor, and he asked us to update	4	4

	<p>our hardware to improve the image quality. I did some research online to look for a faster tablet processor and camera. Finally, we are going to try our old App on samsung galaxy s8 first. We made a general plan on our future design of project, after we fix the delay problem. We are supposed to add more feature functions to make our App much easier and smooth to use.</p>		
Wenrui Wu	<p>In the first three weeks, my group members and I contacted with our professor and set up a plan for this semester. For this semester, our goal is to make our program runs more smooth and reduce the delay on our device. In this week, as we decided to switch from tablet to phone, we start to search online to find the best substitute product. As a result, we plan to borrow phones from friends and Ebay/Amazon to test it out during this weekend.</p>	4	4
Shengliang liu	<p>During the meeting with the advisor, we have concluded the total work we have finished last semester in EE491, we have the idea we are continuing on. The main direction should be the application. Our team need to consummate it. We want to change the tablet we have used before to a phone which need to use android and its camera should be on the corner.</p>	4	4
Guantong Zhou	<p>In the past three weeks, we decided to continue working on our “A</p>	4	4

	Disappearing A-pillar” project starting with changing to a new device with better processor than Nexus tablet that we used last semester since there was an image delay when using. I gave several different suggestions such as Samsung S8 with Snapdragon 835 processor.		
Yaowei Lee	We met with our advisor for the first time this week to discuss about our plans for this semester, to decide if we were going to continue with our previous project and continue refining it. The main problem with our project the previous semester was that the hardware used was a bit dated, having been released back in 2013 hence the need for an upgrade. For this week, we mainly did a research online to determine which devices would be the most suitable for our application.	4	4

○ **Comments and extended discussion**

- We need to update our running program, which is on our phone, to the newest version.
- We have to find a suitable phone, most phone that runs android system has camera on the middle of the back side, which we can not use it. The phone that we use should have a camera at the right corner in the back side.
- We probably will not use the phone as our future developing device since the size is kind of limited. If our App can run smoothly in any phone like S8. We will look for a tablet with bigger size which has similar processor and camera.

○ **Plan for coming week**

- Team Member 1: Yixuan Wang: Worked on PPT and presentation for next week. Testing the new phones for our APP
- Team Member 2: Han Liao: Worked on PPT and presentation for next week. Test our App in a better android device. Schedule all of feature functions which will be added in our App.
- Team Member 3: Wenrui Wu: Do the testing for each phone and find the best suitable phone for this project.
- Team Member 4: Guantong Zhou: Try to find Android devices with different processors and screen size to test our application and find the best device that would work.
- Team Member 5: Yaowei Lee: Worked on slides and presentation for next week.
- Team Member 6: Shengliang Liu: prepare for the presentation for next week. Trying to make more suitable function in our application.

○ **Summary of weekly advisor meeting**

- During the meeting, we set up a plan for this semester. Our goal is to make our program runs more smoothly and reduce the delay on our device.
- We are going to switch our product from tablet to phones.