

# Consensus Statement

## Team 158

### Individual Contribution:

#### Jingwen Qiang:

- Sprint 1:  
Build HTML mockup. Refine CSS. Finish transaction function in store application. Finish user register, login, email authentication and account management.
- Sprint 2:  
Setup real-time chat via websocket, Node.js, Redis and iShout.js library. Finish sending messages, reply and dismiss functions between pair of users via websocket. Build a chart to record user learning history.
- Sprint 3:  
Finish third-party login and sharing message via Facebook.  
Add expression package in chatting room.  
Collect learning materials and record audio.  
Implement the real-time video chat and sending files between users via WebRTC using SkyRTC library.

#### Ning Wang:

- Sprint 1:  
Build HTML mockup for account and store application. Refine CSS. Implemented the forget password functionality and finish the account management.
- Sprint 2:  
Add multi-user real-time chat room page including home page and chatting page.  
Using websocket to implement a real-time chat room in the discussion page.
- Sprint 3:  
Add the video chat page including video home page and video chatting page.  
Implement the real-time video chat and sending files between users via WebRTC using SkyRTC library.  
Obtain the user history information and display in the view\_profile page.  
Refine the user-interface.  
Collecting the learning materials and record the audio.

#### Jian Gong:

- Sprint 1:  
Designed and Implemented most pages html and css. Implemented discussion board functionalities.

- Sprint 2:  
Deployed project on AWS with Apache and WSGI, MySQL as backend and also set up services needed. And implemented the recording part of audio learning function.
- Sprint 3:  
Implemented serving audio files through S3. And also implemented other learning functionalities.

### **Mingda Zhang:**

- Sprint1: Construct project, build up application. Link each application with url dispatcher. Rewrite the original html files to template style and take advantage of django template inheritance feature. Setup models and forms for testpage application.
- Sprint2: Finish part of testpage application functions.
- Sprint3: Finish all the testpage application functions related to teacher post tests and student take test. Buy domain name and set apache server to force some pages using https protocols and some other using http protocols.

## **Evaluations:**

In each Sprint, we all think we set reasonable expectations for tasks we want to complete and when we would complete them. Before each Spring presentation, we can successfully meet those expectations. In Sprint 1, we almost work together since basic application has not been setup yet and functionalities details have not been defined. However, in Sprint 2 and Sprint 3, each team member has own specific and separated tasks, except websocket and webRTC since these two parts are very challenging and heavy-load. Therefore, instead of working together all times, we can just have meetings at regular intervals. In addition, since Jingwen and Ning are roommates and have similar free time in common, time constraints are not a big problem for them so they can work together to realize websocket and webRTC parts.

We set up regular meetings in each sprint. During these meetings, we communicate a lot, both about technical issues and project progress. And then we can have an overall understanding about where we are in the sprint and what we still need to do. Thanks to good communication, we can let other members know what information we want from their parts on time.

Each team member attend all project meeting and show up on time, so we don't waste each other's time. In every meeting time, we communicate tasks which are finished separately. Thus, it improve our time efficiency greatly.