**CS490**

**Blitz**

**Sprint 2 Retrospective Document**

Tianyang Yu, Jing Chang, Zhicheng Zhou, Yuying Wang, Hanchen Li, Dingzhe Li, Zheng(Arthur) Chen

**1. Implemented and working:**

**Work leftover in S1:**

1. As an user, I would like to chat with the service provider / service requester.
2. Server:
   * 1. Description: Implementing Chat function
     2. Work time: 20 hrs
     3. Member: Hanchen Li

Complete: The Parse API host a server for our app, no need to build by ourselves.

1. iOS:
   * 1. Description: Find API to support chat service and integrate with server
     2. Work time: 10 hrs
     3. Member: Zhicheng Zhou

Complete: There is a Parse API, which supports account signup/login, one-to-one instant message and group message.

1. As an user, I would like to see my profile, including avatar and nickname.
   1. iOS:
      1. Description: Implementing Profile page
      2. Work time: 4 hrs
      3. Member: Jing Chang

Complete: The profile is stored in local and server. The view controller will load those information and show them.

1. As an user, I would like to see other people’s feedback scores.
   1. IOS:
      1. Description: Implementing the rating UI
      2. Work time: 3 hrs
      3. Member: Tianyang Yu

Complete: Import a rating class and integrate with the profile page.

1. As an user, I want to update my own information at anytime.
   1. iOS:
      1. Description: Add profile changing field on user profile page.
      2. Work time: 10 hrs
      3. Member: Tianyang Yu

Complete: There are a image field and two text field let user change his profile.

1. As a carpool requester, I should be able to see a list of service provider who interested in providing the service, and the price they want.
   1. Server:
      1. Description: Implement API for returning a list of service provider.
      2. Work time:5 hrs
      3. Member: Yuying Wang

Complete: The responses are stored in the database along with the post detail.

**General:**

1. As an user, I want to have a page to login or sign up.
   1. Android:
      1. Description: Implementing user interface for login and sign up
      2. Work time: 10 hrs
      3. Member: Dingzhe Li

Complete: Both page are well connected to the server, and work perfectly.

1. As an user, I would like to reset my password when I forget it.
   1. Android:
      1. Description: Implementing a reset page
      2. Work time: 5 hrs
      3. Member: Hanchen Li

Complete: The reset password page works perfectly, and users will need to use the link in the email that the server sent to them to proceed the process.

1. As an user, I would like to choose from requesting or providing a service after I open the app.
2. Android:
   * 1. Description: Implementing a Role-selected page
     2. Work time: 3 hrs
     3. Member: Arthur Chen

Complete: The switch button for choosing request and provide is placed on the middle of the tool bar.

1. As an user, I would like to update my password.
   1. Android:
      1. Description: Add password changing field on user profile page
      2. Work time: 5 hrs
      3. Member: Dingzhe Li

Complete: Change password function works perfectly in the app.

1. As an user, I would like to see my profile, including avatar and nickname.
   1. Android:
      1. Description: Implementing Profile page
      2. Work time: 10 hrs
      3. Member: Yuying Wang

Complete: Create a new class *Profile* to store user information, including avatar url and nickname. Design profile page using controls.

1. As an user, I want to update my own information at anytime.
   1. Android:
      1. Description: Add profile changing field on user profile page.
      2. Work time: 10 hrs
      3. Member: Yuying Wang

Complete: Add set functions into Profile class for each variable used for user information. Add listen event on each field when value is changed in profile page.

1. As an user, I would like to see other people’s feedback scores.
   1. Android:
      1. Description: Implementing the rating UI
      2. Work time: 3 hrs
      3. Member: Dingzhe Li

Complete: The rating UI is integrated with the profile page, and it is shown by how many stars the user get.

1. As an user, I would like to have a listview on services requested/provided nearby.
2. iOS:
   * 1. Description: Implementing a user interface that display a list of services requested/provided that around users depending on location
     2. Work time: 5 hrs
     3. Member: Zhicheng Zhou

Complete: For this function, the server generate a list of services that are inside a specific radius of the sender of the request.

1. As an user, I would like to browse the requests by different categories.
2. iOS:
   * 1. Description: Add buttons for different categories and request the list of posts by different categories from server and render them in listview.
     2. Work time: 8 hrs
     3. Member: Jing Chang

Complete: For different category, there are corresponding button for user. When user touch a button, the client app will send a request to query the posts.

**Carpool**:

1. If there is no desired provided service, as a carpool requester, I would like to post a request including information such as pick up location, destination, time and number of passengers requesting.
2. iOS:
   * 1. Description: Design a create new request page and send the information to server
     2. Work time: 10 hrs
     3. Member: Tianyang Yu

Complete: Implement the UI and connect to server for creating a carpool request post and make it flexible in order to add other categories’ post in in the future sprint.

1. If there is no desired requested service, as a carpool provider, I would like to post a new service including information such as departure point, destination, time and number of passengers can hold.
2. iOS:
   * 1. Description: Design a new service page and send the information to server.
     2. Work time: 10 hrs
     3. Member: Zhicheng Zhou

Complete: Implement the UI and connect to server for creating a carpool provide post and make it flexible in order to add other categories’ post in in the future sprint.

1. As a carpool provider/requester, I would like to see the detail page by clicking the item.
2. Android:
   * 1. Description: Implementing Post Detail page to show more information.
     2. Work time: 10hrs
     3. member: Arthur Chen

Complete: User can click on the post button to create a new post. And the information will be upload to the server.

* 1. iOS:
     1. Description: Implementing Post Detail page to show more information.
     2. Work time: 10hrs
     3. member: Tianyang Yu

Complete: When user click post item in the listview, a new page will pop up and load data from server.

**2. What did not go well:**

**(a) Include general retrospective review for this sprint.**

In sprint 2, we are able to complete almost all the tasks and user stories for the IOS and Android client. However, the server side has two important features leftover for sprint 3 to complete which are the location sorting and the rating system, but the good news is that they are already close to finish.

**(b) Ensure to list ALL unsuccessful user stories and tasks with detailed discussions. (They should be in line with the Sprint Planning Document for the next sprint.)**

1. As a carpool provider/requester, I would like to initiate a chat with an existing service requester/provider by clicking the item.
2. iOS:
   * 1. Description: Implementing Post page
     2. Work time: 5 hrs
     3. member: Zhicheng Zhou

In-progress: The merging between chat module and existing modules is still in progress. Because it requires more work than we first estimated.

1. As an user, I would like to receive notification when I get message from other users.
2. iOS:
3. Description: Implementing Push receive
4. Work time: 5 hrs
5. Member: Jing Chang

In-progress: We did not finish process of merging the chat module and our process. Because we using third party at chat module. So the notification part will work after merging.

1. As an user, I would like to have a listview on services requested/provided nearby.

a. Server

1. Description: Return the list of posts that are close to current user.
2. Work time: 5 hrs
3. Member: Zheng Chen

In-progress: We can create the listview of the requests and posts, but unable to filter out the nearby posts for now.

1. As an user, I want to have some recommend services when I am trying to post similar request
   1. Server:
      1. Description: Implementing match function on the server side
      2. Work time: 10 hrs
      3. Member: Yuying Wang

In-Progress: Designing algorithm for matching.

1. As an user, I would like to see other people’s feedback scores.
   1. Server:
      1. Description: Implementing rating functions
      2. Work time: 5 hrs
      3. Member: Hanchen Li

In-Progress: User profile is completed but still working on the rating function to compute the rating, but it will be easy to implement.

1. As an user, I would like to sort the services provided by time/location.
2. Server
   * 1. Description: Design a filter for Posts by time/ location
     2. Work time: 10 hrs
     3. Member: Dingzhe Li

In-Progress: Unable to sort by location right now.

1. iOS:
   * 1. Description: Add a control to specify how to sort Posts (e.g. by time/ location)
     2. Work time: 5 hrs
     3. Member: Tianyang Yu

Almost Done: Finished the UI part and wait for the server’s development to finish it.

1. As an user, I want to give a feedback to provider/requester when the service is completed.
   1. Server:
      1. Description: Implementing API for leaving comment.
      2. Work time: 10 hrs
      3. member: Dingzhe Li

In-Progress: Still working on the rating function, but it will be easy to implement.

**3. Future Improvement:**

(a) Mention at least two ways to improve your work in the next sprint and be as detailed as you can in 2-5 sentences.

1. Provide more user-friendly interfaces for client with better layout for easy use. Since the current user interfaces are mostly consist of blue and pink, which doesn’t give the application a comfortable look. (Yuying Wang)
2. Make program resizable and have elements properly reposition themselves to fit different screen size. (Tianyang Yu, Jing Chang, Zhicheng Zhou)
3. Optimize the iOS client logic. Client only need to load the field that has changed from server (Jing Chang); The NetworkUtil class should be reorganized and add timeout feature (Tianyang Yu);

1. Find cross platform APIs especially for mobile chatting module. Because if the API is not cross platform, there will be gap between ios app and android app. (Zhicheng Zhou)
2. Change our ios app user interface to be more aesthetically appealing. For right now, our app has some inconsistencies in color and style. (Tianyang Yu, Jing Chang, Zhicheng Zhou)