**CS490**

**Blitz**

**Sprint 1 Planning Document**

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**1 Sprint Overview**

(a) Discuss the overview of this sprint.

In this sprint, we planning to discuss the whole protocol over Internet and build a basic Java prototypes for server and client

(b) Clearly state who the SCRUM master (team leader) is and briefly mention your scrum meeting schedules.

Scrum master: Hanchen Li

We planning meeting every Thursday. During the meeting, we will discuss the difficulty of programming and also the disadvantage of our design for the system.

(c) Include risks or challenges for this sprint, if you have any.

First of all, we do not have any experience on iOS. Our team members need to study a new language and total new mobile structure.

Second, we need to figure out how mobile device communicate with service through cellular network

**2 Current Sprint Detail**

**General:**

1. As an user, I want to have a page to login or sign up.
   1. Server:
      1. Description: Provide API to enable login and sign up.
      2. Work time: 5 hrs
      3. Member: Hanchen Li
   2. iOS:
      1. Description: Implementing user interface for login and sign up
      2. Work time: 10 hrs
      3. Member: Jing Chang
2. As an user, I would like to reset my password when I forget it.
   1. Server:
      1. Description: Provide API to enable reset password
      2. Work time: 2 hrs
      3. Member: Dingzhe Li
   2. iOS:
      1. Description: Implementing a reset page
      2. Work time: 5 hrs
      3. Member: Tianyang Yu
3. As an user, I would like to choose from requesting or providing a service after I open the app.
4. iOS:
   1. Description: Implementing a Role-selected page
   2. Work time: 3 hrs
   3. Member: Zhicheng Zhou
5. As an user, I would like to have a listview on services requested/provided nearby.
6. Server
7. Description: Return the list of posts with certain specification.
8. Work time: 5 hrs
9. Member: Zheng Chen
10. As an user, I would like to browse the requests by different categories.
11. Server:
    1. Description: Provide a API that can let client request for specified category
    2. Work time: 10 hrs
    3. Member: Yuying Wang
12. As an user, I would like to sort the services provided by time/location.
13. Server
    1. Description: Design a filter for Posts by time/ location
    2. Work time: 10 hrs
    3. Member: Dingzhe Li
14. As an user, I would like to chat with the service provider / service requester.
15. Server:
    1. Description: Implementing Chat function
    2. Work time: 20 hrs
    3. Member: Hanchen Li
16. iOS:
    1. Description: Find API to support chat service and integrate with server
    2. Work time: 10 hrs
    3. Member: Zhicheng Zhou

1. As an user, I would like to receive notification when I get message from other users.
2. Server
   1. Description: Implementing Push function
   2. Work time: 10 hrs
   3. Member:Zheng Chen
3. iOS:
   1. Description: Implementing Push receive
   2. Work time: 5 hrs
   3. Member: Jing Chang
4. As an user, I would like to select one from several service providers who respond to my request.
5. Server:
   1. Description: Implement candidate list
   2. Work time: 5 hrs
   3. Member: Yuying Wang
6. As an user, I would like to receive notification when my request get accepted.
   1. Server:
      1. Description: Implementing Push function
      2. Work time: 10 hrs
      3. Member: Yuying Wang
7. As an user, I want to close my request / service at anytime.
   1. Server:
      1. Description: Implementing post management API
      2. Work time: 5 hrs
      3. member: Hanchen Li
8. As an user, I want to check the satisfaction rating of service provider / requester.
   1. Server:
      1. Description: Implementing query for rating API
      2. Work time: 3 hrs
      3. Member: Yuying Wang
9. As an user, I would like to have a search box to search for certain request or service.
   1. Server:
      1. Description: Implementing search API
      2. Work time: 5 hrs
      3. member: Zheng Chen
10. 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: Jing Chang
11. 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

**User Profile:**

1. As an user, I would like to update my password.
   1. Server:
      1. Description: Add password function on User Page
      2. Work time: 1 hrs
      3. Member: Dingzhe Li
   2. IOS:
      1. Description: Add password changing field on user profile page
      2. Work time: 5 hrs
      3. Member: Tianyang Yu
2. As an user, I would like to see my profile, including avatar and nickname.
   1. Server:
      1. Description: Implementing User profile API
      2. Work time: 4 hrs
      3. Member: Zhicheng Zhou
   2. iOS:
      1. Description: Implementing Profile page
      2. Work time: 4 hrs
      3. Member: Jing Chang
3. As an user, I want to update my own information at anytime.
   1. Server:
      1. Description: Implementing User profile editing function
      2. Work time: 2 hrs
      3. Member: Dingzhe Li
   2. IOS:
      1. Description: Add profile changing field on user profile page.
      2. Work time: 10 hrs
      3. Member: Tianyang Yu
4. 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
   2. IOS:
      1. Description: Implementing the rating UI
      2. Work time: 3 hrs
      3. Member: Zhicheng Zhou

**Carpool**:

1. As a carpool provider/requester, I would like to initiate a chat with an existing service requester/provider by clicking the item.
   1. iOS:
      1. Description: Implementing Post page
      2. Work time: 10hrs
      3. member: Zhicheng Zhou
2. 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.
   1. Server:
      1. Description: Implementing API for post function
      2. Work time: 5 hrs
      3. member: Yuying Wang
3. 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.
   1. Server:
      1. Description: Implementing Post Function
      2. Work time: 3 hrs
      3. member:
4. 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

**Non-Functional Requirements:**

1. iOS developers need extra time for learning the language and IDE
   * 1. Description: Learn develop iOS app using SWIFT and Xcode.
     2. Work time: 20hrs
     3. Members: Tianyang Yu, Jing Chang, Zhicheng Zhou
2. The Server will be written in Node.js for the best concurrency performance. Data will be stored in MongoDB.
   1. Server
      1. Description: Design Server and implementing
      2. Work time: 40 hrs
      3. Member: Hanchen Li
3. The Server should be able to handle five million connections simultaneously with no perceptible delay.
   1. Server
      1. Description: Optimize Server Functionality
      2. Work time: 5 hrs
      3. Member: Dingzhe Li
4. The Server should not crash or lose data in any circumstances.
   1. Server
      1. Description: Design server crash-recover function
      2. Work time: 10 hrs
      3. Member: Dingzhe Li
5. All searching or listing should be done within one second under typical network condition.

Description: Optimize Server structure

Work time: 20 hrs

member:Zheng Chen

1. In app chatting will be implemented on a separate chatting server which can deal with more than one million messages per second.

Description: Implement chatting server

Work time: 40 hrs

member: Yuying Wang

**3. Backlog of tasks in future Sprints**

1. As an user, I would like to have a map view on services requested/provided nearby.
2. As an user, I want to post the multiple-user service.

**Food Discovery:**

1. As a service requester, I would like to chat with the provider to a service by clicking the item.
2. As a service provider, I would like to create a new service by providing information about menu, food pictures, remaining quantity, location and hours.
3. As an requester, I would like to have a online food ordering option.

**House Renting:**

1. As an user, I would like to see the pictures of the house.
2. As an user, I want to be able to know things like whether there have wifi, air conditioner, refrigerator and etc.
3. As an user, I would like to choose the check in date and check out date when I making an order.
4. As an user, I would like to post a request/provide in the “Other” category for the uncategorized service.
5. As an user, I would like to see requested/provided service that other people post in the “Other” category