**TicketVault**

**Sprint Planning Documents**

**Group: TicketVault (Team 8)**

**Members: Chengkang Xu, Hanxun Huang, Kai Sun, Longding Zhang, Yijie Wu**

**Overview**

This sprint document is used to clarify how this project be divided and each team member’s tasks in the first sprint iteration. We will first talk about the goals of this sprint, our scrum meeting schedules and who has been chosen to become our leader. Then we will discuss the challenge we may encounter when we work on this project. Finally we will provide every team member’s tasks with details and the estimate time for each task.

**Goals:** In this sprint, we expect to build: homepage, upcoming event page, login field, sign up page and profile page. In addition, we will build the interconnection among pages and set up the server to be able to respond to the requests that are sent from client.

**Daily scrum meeting:** We probably will meet everyday at around 5:00 PM in Lawson lobby for a 15 minutes daily scrum meeting if all team members are free at the time. We will discuss what each member have accomplished in the past time, and what tasks we need to focus on at the moment.

**Scrum master:** Chengkang Xu

**Challenges:**

* Since server and clients are built by different team members, we will need to make sure the serve and webpage interacts with each other in an appropriate way. The requests that are sent from the webpage have to be recognized by the server to invoke the functions that are required to respond to the request. In the meanwhile, the webpages have to be able to recognize the response that is sent from the server to display the correct content. As a conclusion, the way that different pages interact with server has to be consistent.
* Due to the fact that our team does not have much experience with developing the website. Some UI building tasks and server-side development may takes longer. We will only do a few requirements that are listed in our backlog this time and try to get familiar with the website development. In next sprint, we will do more requirements that are on our backlog.

**Current Sprint Details**

(P.S. Workload is estimated in hours)

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| As a user, I would like to view the overview of the website. i.e. homepage | Estimate Time | Owner |
| Create UI for the homepage, which contains buttons that interact with other pages. | 13 | Huang |
| Implement action when user clicks on the user name—redirect to profile page | 2 | Huang |
| Implement action when user clicks on the “manage event” button—redirect to event managing page | 2 | Huang |
| Implement action when user clicks on the “upcoming event” button—redirect to all events page | 2 | Huang |
| Implement action when user clicks on the “sign up/sign in” button—prompt login field | 2 | Huang |
| Establish connection between home page and server | 3 | Huang |

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| As a user, I would like to sign in for the website | Estimate Time | Owner |
| Create UI for the login text field | 2 | Wu |
| Implement action when user clicks on the “sign up” button—redirect to sign up page | 2 | Wu |
| Implement action when user clicks on the “sign in” button, and nothing was input—prompt error message | 2 | Wu |
| Send request that contains account info to server to verify username and password | 2 | Wu |
| If receiving error message from server, prompt error message | 2 | Wu |
| If receiving success message from server, log user in, and display user name on the top bar | 3 | Wu |
| If the input account info is incorrect, server sends error message to client | 2 | Xu |
| If the input account info is correct, server sends success message to client | 2 | Xu |

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| --- | --- | --- |
| As a user, I would like to sign up for the website | Estimate Time | Owner |
| Create UI for the sign up page, which displays all required user information that user needs to fill in. | 13 | Wu |
| Add tips for the requirement of password, username | 1 | Zhang |
| Implement action when user clicks on the “submit” button, and there are incomplete information—highlight the incomplete sections | 2 | Zhang |
| Send request that contains account info to server to add a account | 2 | Wu |
| If the password does not satisfy the requirement, server sends “password error” message to client | 2 | Xu |
| If the account is duplicate, server sends “account error” to client | 2 | Xu |
| If the account is valid, server sends “success” to client | 2 | Xu |
| If receiving error message from server, display the error message | 2 | Zhang |
| If receiving success message from server, log user in, and redirect back to homepage | 2 | Wu |

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| As a user, I would like to browse and edit my profile | Estimate Time | Owner |
| Create UI for the profile page, which holds user’s account information | 13 | Zhang |
| Send request that request for the user account info to server | 2 | Zhang |
| Server sends back the user account info to client to respond the request | 6 | Xu |
| Implement action when user clicks on the “submit” buttons | 1 | Sun |
| Send request that contains updated account info to server | 3 | Sun |
| If receiving error message from server, prompt error message and high light the invalid parts. | 2 | Zhang |
| If receiving success message from server, display success message, and redirect to user profile page | 2 | Zhang |
| If any of the account info is invalid, server sends error message to client | 2 | Xu |
| If all of the input account info is valid, server sends success message to client | 2 | Xu |

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| --- | --- | --- |
| As a user, I would like to browse all upcoming events | Estimate Time | Owner |
| Create UI for the upcoming events page, which holds all events’ titles | 15 | Sun |
| Client sends request that request for information about all upcoming events to server | 2 | Sun |
| Server sends back the all events’ title to client to respond the request | 7 | Xu |
| Display all events’ title in alphabetic order as soon as the client receive the data sent from server | 6 | Sun |
| Implement action when user clicks on the event’s title—redirect to event detail page. | 2 | Sun |

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| --- | --- | --- |
| Other tasks—server side development | Estimate Time | Owner |
| Develop functions that establish network between client and server, which may involve TCP/IP API | 8 | Xu |
| Set up remote server that handles requests which are sent from client, including the temporary domain | 5 | Zhang |
| Set up MYSQL database on online providers, such as: Google or amazon, to store all user data, and events data. This database must be accessible by UI for display | 5 | Huang |
| Set up table that stores all data including events’ data and users’ data | 5 | Huang |

**Hours per person:**

Chengkang Xu: 35

Hanxun Huang: 34

Kai Sun: 29

Longding Zhang: 29

Yijie Wu: 30

**Total estimate hours: 157**

**Requirements in Backlog**

**Functional:**

As a user, I would like to view the details of an event

As a student user, I would like to manage the tickets that I have reserved

As an organization user, I would like to create events and add ticket information.

As a student user, I would like to reserve tickets for the events that I like

As a user, I would like to search for the events that may interest me.

(If the time allows) As a user, I would like to manage the events that I like and be notified if some of them are close to closing.

(If the time allows) As a user, I would like to make payment directly through secured way, such as: PayPal

(If the time allows) As a user, I would like to browse the events that most people bought tickets for and perhaps buy tickets for it as well.

**Non-functional:**

As a user, I would like the sign-in, sign-up, searching, ticket purchasing process response quickly.

(If the time allows) As a student user, I would like the event that I purchased tickets for and organizations are real, not scam.

Using MySQL database, and PHP/HTML/JavaScript for webpage building.

**In addition to the requirements in project backlog, we have some extra functional requirements:**

As a user, I would like to view the overview of the website, i.e. the homepage.

As a user, I would like to browse all upcoming events.

As a user, I would like to view the help page when I encounter problems using the website.