**TicketVault**

**Sprint 3 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: Help page, search function, favorite events, payment page, popular events recommendation, improving response time, and improve event creation page, reservation page.

**Daily scrum meeting:** We probably will meet everyday at around 4:30 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:** TBD

**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**

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| As a student user, I would like to view the help page when I encounter problems using the website | Estimate Time | Owner |
| Create UI for help page that display all the help information | 13 | Xu |
| Adding CONTACT US function, which allows information input and send email to administrator when user clicks on submit | 10 | Xu |
| Modify base and other pages to ensure the help button displaying on all pages | 5 | Xu |
| Implement action when user clicks on the help button, redirect to help page | 2 | Xu |

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| As a user, I would like to search events that may interest me | Estimate Time | Owner |
| Create UI that displays all categories | 15 | Wu |
| Client query database to search for rows that matches the selected category | 10 | Wu |
| Implement action when user clicks on search button --- Sending query to database | 2 | Wu |
| Display results that match the keywords input in a new page | 6 | Wu |
| Displaying no match results message when there is no match found | 5 | Wu |

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| As a student user, I would like to manage the events that I like and be notified if some of them are close to closing | Estimate Time | Owner |
| Create UI for favorite events page—list titles of all events that are bookmarked | 14 | Zhang |
| Adding buttons on profile page that redirects to favorite events page when clicked | 3 | Wu |
| Implement action when click on the event’s title – redirect to event detail page | 3 | Wu |
| Sending the email notification to the user that the event reserved before the date of the event. | 10 | Huang |
| Add the time information to the database related to the event | 5 | Huang |
| Adding a bookmark button on event detail page, which appears only if the event has not been bookmarked by the user | 5 | Xu |
| Implement action when user clicks on bookmark button on event detail page---query database to add the event to user’s favorite events | 10 | Xu |
| Adding a unbookmarked button on event detail page, which appears only if the event has been bookmarked by the user | 5 | Xu |
| Implement action when user clicks on unbookmarked button—query database and delete the event from user’s favorite events | 10 | Xu |

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| As a student user, I would like to make payment directly through secured way | Estimate Time | Owner |
| Create UI that allows user to make purchase—display the event information | 15 | Zhang |
| Implement action when user clicks on submit---redirect to success page | 5 | Zhang |

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| As a user, I would like to browse the events that most people bought tickets for and perhaps buy tickets for it as well | Estimate Time | Owner |
| Improve index UI or create a hot event page, which lists all popular events | 10 | Sun |
| Implement algorithm that calculate hot events based on percentage of reservation | 14 | Sun |
| Query database and apply the algorithm to find the hot events | 3 | Sun |
| Display error message when receiving error from server | 3 | Sun |
| Modify PHP to check if there is no remaining tickets for an event, if so, the event will be marked as not available | 5 | Sun |

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| As a user, I would like the sign-in, sign-up, searching, ticket purchasing process response quickly | Estimate Time | Owner |
| Removing unnecessary queries and database access if there is any. Switching query functions to better alternatives if there exists | 8 | Huang |

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| As an organization user, I would like to create and edit event | Estimate Time | Owner |
| Assign unique ID to each of the event created | 8 | Huang |

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| Tickets reservation improvement | Estimate Time | Owner |
| Modify reserve page that allows user to reserve many tickets of a single event at a time | 8 | Zhang |

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| Write a crawler to grab the organization file from boilerline and store in the database | Estimate Time | Owner |
| Write a web crawler to grab the organization file from boilerlink website | 10 | Huang |
| Write a tool to store the organization file from boilderlink into the database | 10 | Huang |

**Hours per person:**

Chengkang Xu: 60

Hanxun Huang: 51

Kai Sun: 35

Longding Zhang: 42

Yijie Wu: 44

**Total estimate hours: 232**

**Requirements in Backlog**

**Non-functional**

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