|  |
| --- |
| T27 |
| SFD Dispatch  Statement of Work  week 3 |
| [Surrey Food Delivery] |
|  |
| **Kent Huang**  **Bill Xue**  **Daniel Park**  **Terence Leung** |
|  |

## Overview

Last week, we basically finished the customer app and had a throughout understanding of how real-time database and real-time notification work.

For week 4, we will be finishing up the company app’s backend database and notification integration and testing two apps thoroughly. In addition, if time permits, we will complete the map functionality that allows the current locations of the drivers to be rendered. The expected work to be done this week includes:

* Dispatcher view of the company app:

1. Grab order information from database to display in dispatcher view
2. Push notification to the dispatcher when an order is placed by a customer
3. Push notification to the dispatcher when an order is completed

* Driver view of the company app:

1. Push notification to the driver when an order is given
2. Show information of assigned orders
3. Accepting and completing orders for the company app (driver)

* Map functionality to show drivers’ real-time locations
* Meetup with client, and adjust minor design decisions to our clients’ preference.
* Documents including meeting minutes, progress report, plan, risks and technical issues table and final presentation slides.

## Outcomes

* Database integration for company app.
* Real-time notification integration for company app.
* Map functionality to show drivers’ real-time locations.
* A working prototype of the dispatching system.
* Progress report for this week.
* Statement of work for next week.
* Technical issues table.
* Updated test cases.
* Meeting minutes.
* Final presentation slides.

## Deliverables

|  |  |
| --- | --- |
| **Deliverable** | **Description** |
| Database integration for the company app | Render in-progress order information from database to  application UI . |
| Real-time notification for company | Send notifications to dispatcher and drivers. |
| Progress report | Keep track of the team progress. |
| Statement of work for next week | Work Plan for next week. |
| Technical issues table | Be aware of the potential risks and issues for the projects. |
| Test cases | Keep track of the testing status. |
| Meeting Minutes | Record meeting processes. |
| Final presentation slides | To demo our project |

## Work Breakdown

|  |  |  |
| --- | --- | --- |
| **Owner** | **Description** | **Completion Date** |
| everyone | Learn how to use Firebase database and firebase cloud function for real-time notification | Monday  15/05/2017 |
| Kent | Push notification to the dispatcher when an order is placed | Tuesday  16/05/2017 |
| Terence | Push notification to the driver when an order is given | Tuesday  16/05/2017 |
| Daniel | Accepting and completing orders for the company app (driver) | Tuesday  16/05/2017 |
| Bill | Push notification to the dispatcher when an order is completed | Wednesday  17/05/2017 |
| Everyone | Test cases | Wednesday  17/05/2017 |
| Everyone | Test the app on different devices | Thursday  18/05/2017 |
| Everyone | Stress test the app, create many users for each account type and test the app (driver, customer/restaurant, dispatcher) | Friday  19/05/2017 |
| Everyone | Learn and implement map functionality to show drivers’ locations, if time allows | Sunday  21/05/2017 |
| Everyone | Final project presentation preparation | Sunday  21/05/2017 |
| Bill | Technical issues table | Sunday  21/05/2017 |
| Daniel & Terence | Meeting Minutes | Sunday  21/05/2017 |
| Kent | Status report | Sunday  21/05/2017 |
| Kent | Statement of work for next week (final presentation) | Sunday  21/05/2017 |