|  |
| --- |
| SMP |
| SuperPoints  Stage Plan  2 |
| SuperPoints |
|  |
| **John Hoang**  **Oliver Jang**  **Harman Minhas**  **Henry Jiang** |
|  |

## Overview

Stage 2 will consist of improving our existing architecture, Bluetooth implementation and GUI creation. Location services has been implemented but needs refinement. Currently locations returned are not always precise, and updates are not guaranteed. This will be continually worked on through this stage. Due to complications in receiving the Bluetooth beacons, we will be beginning implementation after their tentative arrival date, February 18th. We have setup a database and will be creating the PHP scripts that will be called by our application to carry out MySQL operations. We will attempt to connect these to our location services activity and confirm an end-to-end workflow for our backend. Wireframes have been provided by our client and GUI implementation will also begin. If the Bluetooth beacons do not arrive when we expect we will have to cut scope which our client has been warned about. We thus have a dependency on this, and it will affect how/when we move forward. This may cause changes to our SOW and we may need to revise it further. We already have designed our system architecture, so further refinements will be made in this stage. We will also create a test plan.

## Outcomes

We will have at the minimum a maps application that will be able to call PHP scripts to interact with our MySQL database. We will also attempt to trigger changes in the database to create a response in our application. We will also have a partial GUI that lacks functionality but is the skeleton for the actual application. The late arrival of the beacons will mean that their integration and implementation into the location services – database system will likely not occur in this stage. Proof of concept, however, will be done as well basic functionality, receiving information about user arrival will be completed. We will create a formalized version of the application once the moving parts, location services, Bluetooth, and the database have integrated. We will discuss our system architecture design in more detail and develop a test plan. All necessary documentation will be delivered as well.

## Dependencies

|  |  |
| --- | --- |
| **Dependency** | **Deadline** |
| Bluetooth Beacons | 18/02 |
|  |  |

## Deliverables

|  |  |
| --- | --- |
| **Deliverable** | **Description** |
| Location Services Code | More refinements and calls PHP script in some way |
| Documentation | SOW v 1.X, System Architecture Diagram, Stage 3 Plan Draft, Project Test Plan, and all the usuals |
| Bluetooth Code | Rough implementation, acknowledge user has entered proximity |
| PHP Script | Modifies database in some way, most likely creation of a user |
| GUI | Have some basic activities to embed our code into |
|  |  |

## Work Breakdown

|  |  |  |
| --- | --- | --- |
| **Owner** | **Description** | **Completion Date** |
| WEEK 6 | | |
| John | Stage 2 Plan Revision (if necessary) | 15/02 |
| John | System Architecture Diagram draft (already done) | 06/02 |
| Oliver | Client minutes | 13/02 |
| Harman | Team minutes | 13/02 |
| John | Estimates and Time actuals | 15/02 |
| Harman | Weekly Status Report | 15/02 |
| Henry | Risks and Technical Issues | 15/02 |
| Henry | Supervisor minutes | 13/02 |
| Henry | PHP Script | 15/02 |
| Harman + Oliver | GUI Draft (beginning) | 15/02 |
| WEEK 7 MIDTERMS | | |
| WEEK 8 | | |
| Oliver | Bluetooth implementation | 28/02 |
| John | Stage 3 Plan, draft | 02/03 |
| John | System Architecture Diagram revised | 02/03 |
| Harman | Team minutes | 27/02 |
| Oliver | Customer minutes | 27/02 |
| Henry | Supervisor minutes | 27/02 |
| John | Estimates and Time Actuals | 02/03 |
| John + Henry | Call PHP script from location services | 09/02 |
| Harman + Oliver | GUI Draft(further iteration) | 09/02 |
| Oliver | Weekly Status Report | 02/03 |
| Henry | Risks and Technical Issues | 02/03 |
| Everyone | Project Test Plan | 02/03 |