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| SMP |
| SuperPoints  Stage Plan  3 |
| SuperPoints |
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| **John Hoang**  **Oliver Jang**  **Harman Minhas**  **Henry Jiang** |
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## Overview

Stage 3 will provide the biggest challenge, on top of implementing the majority of core functionality, we are hoping to have basic full integration. This means our units we have been testing in isolation will be able to communicate on some level to all other moving parts of our application. The database will be written to and have its information derived by our Bluetooth component, the same operations will be performed by our Location component. This will be in the form of PHP scripts being called by our code to access the database. This will be entirely enveloped by our GUI skeleton that will be a bare bones implementation that will show the skeleton of the final product and connectivity. We will start adding core functionality, have most of it done by the end of this stage. There are no longer dependencies, there is just coding to be done, so the for this stage, there will be a stricter adherence to deliverables and deadlines.

## Outcomes

We will have an application that lacks some of the core functionality but at its basis will be the foundation for the idea of SuperPoints. Detecting customers and notifying them of promotions. Develop the groundworks for our basic analytics of user frequency and duration for a business. We will have most of the PHP scripts necessary to track all relevant information in the database. The GUI will likely take the longest to develop and as such, a bare form, of the skeleton will be the goal. We will envelope our other core components of Bluetooth and Location services into this GUI, forming the main screen (location services map) and pushing a notification on this screen upon entering a storefront. Our client will have a full idea of the application workflow and have seen the framework we have laid out and any change requests will be accommodated or rejected in this stage as well, we will finalize design outcomes in this stage.

## Dependencies

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| **Dependency** | **Deadline** |
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## Deliverables

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| **Deliverable** | **Description** |
| Location Services Code | Create push notification for businesses that offer promotions, indicator for promotions on map |
| Documentation | All the usuals |
| PHP Script | Scripts to add/edit/delete users and businesses |
| Bluetooth Code | Establish connection, create push notification for entering range of beacon, track frequency and duration of users |
| Integration | Have basic proof connectivity to database through application as a whole |
| GUI | Have basic envelope skeleton |

## Work Breakdown

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| **Owner** | **Description** | **Completion Date** |
| WEEK 9 | | |
| Henry | PHP scripts to add/edit/delete users/businesses/promotions | 03/08 |
| Harman | Make registration activity + others TBD | 03/08 |
| Oliver | Establish Bluetooth connection + push notification for entering range of beacon | 03/08 |
| John | Push notification for entering range of businesses that use SuperPoints | 03/08 |
| Oliver | Client minutes | 03/06 |
| Harman | Team minutes | 03/06 |
| John | Estimates and Time actuals | 03/10 |
| John | Weekly Status Report | 03/10 |
| Henry | Risks and Technical Issues | 03/10 |
| Henry | Supervisor minutes | 03/06 |
| John | Stage 3 Plan Revised | 03/10 |
| WEEK 10 SPRING BREAK | | |
| WEEK 11 | | |
| Everyone | Rudimentary Integration Of all Units | 03/22 |
| Henry | Majority of PHP Scripts | 03/22 |
| Harman | Full rudimentary UI | 03/22 |
| Oliver | Frequency and duration of user visits | 03/22 |
| John | View applicable promotions, add indicator for promotions on map | 03/22 |
| Oliver | Customer minutes | 03/20 |
| Henry | Supervisor minutes | 03/20 |
| John | Estimates and Time Actuals | 03/23 |
| Harman | Team minutes | 03/20 |
| Henry | Weekly Status Report | 03/23 |
| Henry | Risks and Technical Issues | 03/23 |