**Release and Iteration Plans**

**Team 36**

|  |  |
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**Version: 1.0**

**Due Date: 21/8/17**

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# **Release Plan**

## Release 1:

Delivery Date: Total Story Points: **70**

Provide an initial web application interface where users that visit can create an account by providing their personal information. Each user will specify what type of user they are so the information provided on the web application is relevant to them. This information inputted into the application will be stored on a database. Registered users will be able to view information relevant to them and interact with the information after they log in. Admins will be able to add a map for the users to use. Admins will be able to add new admins.

### Database Management:

Information captured from the users and content added by the admins will be stored in a database.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S48 | User Account Database |  | 4 |
| S49 | Places of Interest Database |  | 4 |
|  |  | **Story Point Subtotal:** | **8** |

### Web Application Interface:

Users can see the web application home page to gain access to the application.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S1 | Homepage |  | 2 |
| S8 | Adding Information |  | 4 |
|  |  | **Story Point Subtotal:** | **6** |

### User Sign Up:

Users can sign up with their personal information. They will also be able to select what type of user they are so that the information that the web application provides is specific to that user.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S2 | Sign Up |  | 4 |
| S3 | Account Type - Student |  | 1 |
| S4 | Account Type - Tourist |  | 1 |
| S5 | Account Type - Businessman |  | 1 |
|  |  | **Story Point Subtotal:** | **7** |

### User Log In:

Users will be able to log in with their details used to sign up. Admins will be able to log in to edit and add content.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S6 | Login |  | 2 |
| S7 | Admin Login |  | 2 |
|  |  | **Story Point Subtotal:** | **4** |

### View Information:

Users will be able to view information of the relevant subject that they are wanting to view. Users will be able to update their account settings to assist them in viewing the information that they require.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S16 | View City Information |  | 2 |
| S18 | View Industry Information |  | 2 |
| S23 | View Hotel Information – Businessman |  | 2 |
|  |  | **Story Point Subtotal:** | 6 |

### User Account Settings:

Users are able to update settings in their account to view the information they require.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S11 | Select City |  | 1 |
| S40 | Change Account |  | 4 |
| S47 | Update Account Information |  | 4 |
|  |  | **Story Point Subtotal:** | 9 |

### View Information Lists:

Users will be able to view information lists of the relevant subjects that they are wanting to view.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S14 | View Hotel List |  | 2 |
| S21 | View Industry list |  | 2 |
| S26 | View Hotel List - Businessman |  | 2 |
| S30 | View Libraries List |  | 2 |
| S34 | View Colleges List |  | 2 |
|  |  | **Story Point Subtotal:** | 10 |

### Interact with Information

Users will be able to interact with the information and lists that are on the web application.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S15 | Interact with Hotel List |  | 2 |
| S17 | Interact with City Information |  | 2 |
| S22 | Interact with Industry List |  | 2 |
| S27 | Interact with Hotel List - Businessman |  | 2 |
| S31 | Interact with Libraries List |  | 2 |
| S35 | Interact with Colleges List |  | 2 |
|  |  | **Story Point Subtotal:** | **12** |

### Map Creation:

Admins will be able to add maps for other users to see.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S50 | View City Map |  | 4 |
|  |  | **Story Point Subtotal:** | **4** |

### Admin Management:

Admins will be able to create additional admin accounts for new admins to add information to the web application.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S10 | Adding other Admins |  | 4 |
|  |  | **Story Point Subtotal:** | **4** |

## Release 2:

Delivery Date: Total Story Points: **78**

Provide additional features to the map that is in the web application. Users will be able to view places of interest on the map. Users will be able to interact with the map to view more information. Users will be able to use a budgeting tool to assist them with budgeting money when visiting places of interest. Users will be able to utilise a calendar tool to enable them to plan their journeys. Users will be able to rate the places of interest that they visit to enable a community ranking system.

### View Maps:

Users will be able to view maps of the information that is stored on the web application.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S9 | Adding Maps |  | 2 |
| S12 | View Hotel Map |  | 4 |
| S19 | View Industry Map |  | 4 |
| S24 | View Hotel Map - Businessman |  | 4 |
| S28 | View Libraries Map |  | 4 |
| S32 | View Colleges Map |  | 4 |
|  |  | **Story Point Subtotal:** | 22 |

### Interact with Maps:

Users will be able to interact with the map.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S13 | Interact with Hotel Map |  | 4 |
| S20 | Interact with Industry Map |  | 4 |
| S25 | Interact with Hotel Map - Businessman |  | 4 |
| S29 | Interact with Libraries Map |  | 4 |
| S33 | Interact with Colleges Map |  | 4 |
|  |  | **Story Point Subtotal:** | 20 |

### Budgeting:

Add in a tool to create, plan and have a mock purchase interaction with the user.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S36 | Set Budget |  | 2 |
| S37 | Plan Budget |  | 4 |
| S38 | Budget Recommendations |  | 4 |
| S39 | Mock Purchases |  | 4 |
|  |  | **Story Point Subtotal:** | 16 |

### Additional Calendar Tools:

Users will be able to utilise a calendar to plan their journeys.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S41 | Calendar |  | 8 |
| S42 | Add to Calendar |  | 2 |
| S43 | Remove from Calendar |  | 2 |
| S44 | Update Calendar |  | 2 |
|  |  | **Story Point Subtotal:** | 14 |

### Rating System:

Users will be able to rate the places they visit to assist the other users with their own decisions.

|  |  |  |  |
| --- | --- | --- | --- |
| Story ID | Story Title |  | Story Points |
| S45 | Add Rating |  | 4 |
| S46 | View Ratings |  | 2 |
|  |  | **Story Point Subtotal:** | **6** |

## Delivery Schedule:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Sprint 1 | | | | Sprint 2 | | | |
| Release 1 | | | | Release 1 | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Week 14 |  | Week 15 |  | Week 16 | Week 17 | Week 18 | Week 19 |
| Sprint 3 | | | | Sprint 4 | | Sprint 5 | |
| Release 2 | | | | | | | |

**Sprint Plan**

**Sprint 1**

Total Story Points: 32

Total Hours: 50

Current Velocity: *0.64 hours per story point*

**Story 48: User account database**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T01 | Design database structure | 2 | 2 |
| T02 | Create database | 2 | 2 |
| T03 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 5 | ***5*** |

**Story 49: Places of interest database**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T04 | Design database structure | 2 | 2 |
| T05 | Create database | 2 | 2 |
| T06 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 5 | ***5*** |

**Story 01: Homepage**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T07 | Create main page | 2 | 2 |
| T08 | Test main page in specified web browsers | 1 | 1 |
| T09 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 4 | **4** |

**Story 08: Adding information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T10 | Create add information page | 1 | 1 |
| T11 | Write test cases | 1 | 1 |
| T12 | Write code to add information to database | 3 | 3 |
| T13 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 6 | **6** |

**Story 02: Sign up**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T14 | Create sign up page | 2 | 2 |
| T15 | Write test cases | 1 | 1 |
| T16 | Write code to send data submitted from sign up page to database | 3 | 3 |
| T17 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 7 | **7** |

**Story 03: Account type student**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T18 | Write test cases | 1 | 1 |
| T19 | Write code to add student account type to sign up page | 1 | 1 |
| T20 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 04: Account type tourist**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T21 | Write test cases | 1 | 1 |
| T22 | Write code to add tourist account type to sign up page | 1 | 1 |
| T23 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 05: Account type businessman**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T24 | Write test cases | 1 | 1 |
| T25 | Write code to add businessman account type to sign up page | 1 | 1 |
| T26 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 06: Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T27 | Create login page | 1 | 1 |
| T28 | Write test cases | 1 | 1 |
| T29 | Write code to verify login details | 2 | 2 |
| T30 | Create user’s home page | 1 | 1 |
| T31 | Write code to respond to login attempt (success - push to home page, failure - retry) | 1 | 1 |
| T32 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 7 | **7** |

**Story 07: Admin Login**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T33 | Create admin login page | 1 | 1 |
| T34 | Write test cases | 1 | 1 |
| T35 | Write code to verify admin login details | 2 | 2 |
| T36 | Create admin’s home page | 1 | 1 |
| T37 | Write code to respond to login attempt (success - push to home page, failure - retry) | 1 | 1 |
| T38 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 7 | **7** |

**Sprint 2**

Total Story Points: 39

Total Hours: 50

Current Velocity: *0.78 hours per story point*

**Story 10: Adding Other Admins**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T39 | Design database structure | 1 | 1 |
| T40 | Create database | 1 | 1 |
| T41 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | ***3*** |

**Story 16: View City Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T42 | Populate Database | 1 | 1 |
| T43 | Display Information on Application | 1 | 1 |
| T44 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | ***3*** |

**Story 18: View Industry Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T45 | Populate Database | 1 | 1 |
| T46 | Display Information on Application | 1 | 1 |
| T47 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 23: View Hotel Information - Business**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T48 | Populate Database | 1 | 1 |
| T49 | Display Information on Application | 1 | 1 |
| T50 | Verify Story is complete (Acceptance criteria) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 11: Select City**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T51 | Design Database Structure | 1 | 1 |
| T52 | Populate Database | 1 | 1 |
| T53 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 1 | Total Hours: 3 | **1** |

**Story 40: Change Account**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T54 | Create User Interface | 3 | 3 |
| T56 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 4 | **4** |

**Story 47: Update Account Informaton**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T57 | Create Settings User Interface | 2 | 2 |
| T58 | Write code to update database | 1 | 1 |
| T59 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 4 | **4** |

**Story 14: View Hotel List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T60 | Design User Interface | 1 | 1 |
| T61 | Link Database | 1 | 1 |
| T62 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 21: View Industry List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T63 | Design User Interface | 1 | 1 |
| T64 | Link Database | 1 | 1 |
| T65 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 30: View Libraries List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T66 | Design User Interface | 1 | 1 |
| T67 | Link Database | 1 | 1 |
| T68 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 34: View Colleges List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T69 | Design User Interface | 1 | 1 |
| T70 | Link Database | 1 | 1 |
| T71 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 3 | **3** |

**Story 15: Interact with Hotel List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T72 | Add interactive functionality | 1 | 1 |
| T73 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 2 | **2** |

**Story 17: Interact with City Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T74 | Add interactive functionality | 1 | 1 |
| T75 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 2 | **2** |

**Story 22: Interact with Industry List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T76 | Add interactive functionality | 1 | 1 |
| T77 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 2 | **2** |

**Story 27: Interact with Hotel List - Businessman**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T78 | Add interactive functionality | 1 | 1 |
| T79 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 2 | **2** |

**Story 31: Interact with Industry List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T80 | Add interactive functionality | 1 | 1 |
| T81 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 2 | Total Hours: 2 | **2** |

**Story 50: View City Map**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| T82 | Create Design | 2 | 2 |
| T83 | Add Interactive Map API | 3 | 4 |
| T84 | Verify story is complete (acceptance test) | 1 | 1 |
|  | Story Points: 4 | Total Hours: 6 | **7** |

**Comments:**

* Estimated hours assigned to each task were rather accurate
* Slightly more time was assigned to each task than necessary which made the velocity slightly higher than needed
* Breaking down each story into individual tasks allowed tasks to be split between developers with ease
* As each story was completed, the relevant fields were filled out and progress could be seen by the team which promoted motivation to continue working on the project