Test plan describes how we will perform testing throughout the project:

**Who will be responsible for creating test cases?**

The project manager will be the main person who create test cases in our group. But pair programmers can also update the test cases

**Who will be performing tests?**

The project manager and the relevant pair programmers who created the functionalities will be performing the tests. However, everyone in the team will be performing the tests together when there is an integration of different functionalities

**Who will be fixing bugs?**

The pair programmers who are working on that functionality during the iteration will be responsible for fixing the bugs found. However, it may also be passed on to the next iteration’s pair programmers since we are doing iterative time-boxing

**Which test setup will be used? Whose laptops or deploy to which URL on cloud environment like AWS?**

We will be rotating the testing on everyone’s laptops based on the pair programming schedule

**When to conduct testing?**

We will conduct testing based on our planned schedule in the Google Docs

**When to fix bugs?**

Bug fixes will be immediate based on the severity and our time left to pair program on that day. The bugs will be logged onto our bug metrics if we are not able to solve them during that pair programming session.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Iteration** | **Test Creator** | **Tester** | **Setup** | **Test what?** | **When Test?** | **Fixer** | **When Fix?** |
| 1 | Andy | All | Localhost | Login | 15/9/2017 | H, XY | 19/9/2017 |
| 2 | Daniel | All | Localhost | Login | 19/9/2017 | HY, XY | 22/9/2017 |
| 2 | Daniel | All | Localhost | Login | 22/9/2017 | A, H | 26/9/2017 |
| 2 | Daniel | All | Localhost | Login, Breakdown Report, Popular Places Report | 26/9/2017 | A, H  HY, XY | 29/9/2017 |
| 3 | Xu Ying | All | AWS | Login, Breakdown Report, Popular Places Report, Companion Report, Next Places Report, Heatmap, Bootstrap Initialize, Bootstrap Additional | 13/10/2017 | D, XY  A, HY | 17/10/2017 |
| 4 | Hani | All | AWS | Login, Breakdown Report, Popular Places Report, Companion Report, Next Places Report, Heatmap, Bootstrap Initialize, Bootstrap Additional, JSON Login, JSON Breakdown, JSON, Popular Places, JSON Companion, JSON Next Places, JSON Heatmap, JSON Initialize, JSON Additional, JSON AGD, AGD | 27/10/2017 | H, XY | 31/10/2017 |
| 5 | Hong Yuan | All | AWS | Login, Breakdown Report, Popular Places Report, Companion Report, Next Places Report, Heatmap, Bootstrap Initialize, Bootstrap Additional, JSON Login, JSON Breakdown, JSON, Popular Places, JSON Companion, JSON Next Places, JSON Heatmap, JSON Initialize, JSON Additional, JSON AGD, AGD | 9/11/2017 | D, H  HY, XY | 10/11/2017 |
| 6 | Andy | All | AWS | Login, Breakdown Report, Popular Places Report, Companion Report, Next Places Report, Heatmap, Bootstrap Initialize, Bootstrap Additional, JSON Login, JSON Breakdown, JSON, Popular Places, JSON Companion, JSON Next Places, JSON Heatmap, JSON Initialize, JSON Additional, JSON AGD, AGD | 17/11/2017 | D, H  HY, XY | 17/11/2017 |