**Sprint Planning**

**Sprint goal**: For the next sprint, we would like to implements other features such as cancel flight, add flight schedule, edit flight details, login as admin, view reservation details, and make payment and password recovery.

**Sprint backlog**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Story** | **Estimated time taken to complete (days)** | **Priorities**  **(1 - 3)** | **Developers** |
| 14/11/2016 | Customer want to register as a member to reserve ticket | 2 | 2 | Chan Bo Yao, Liew Chuen Wai, Lim Yeat Han, Tan Jun Yew |
| 15/11/2016 | Customer login into the system to do flight reservation | 3 | 1 | Tan Jun Yew, Chan Bo Yao |
| 16/11/2016 | Customer to make reservation online | 3 | 3 | Liew Chuen Wai, Tam Kok Wai,Lim Yeat Han |
| 17/11/2016 | Customer want to have a member homepage to check reservation details | 3 | 1 | Tam Kok Wai, Liew Chuen Wai |
| 18/11/2016 | Customer want to retrieve back member ID to login the system | 2 | 1 | Liew Chuen Wai, Tam Kok Wai, Lim Yeat Han |
| 19/11/2016 | Admin would like to generate report to check most visit customer | 4 | 2 | Tan Jun Yew, Chan Bo Yao |
| 20/11/2016 | Admin would like to add Flights to system so customer can has more flight to choose | 4 | 3 | Tan Jun Yew, Chan Bo Yao, Lim Yeat Han |

**Points to hours approximately**

Average reference story = 2 points

Total hours for average reference story tasks = 20 hours

Hours per point = 20 hours / 2 points = 10 hours

If there are 13 points in product backlog,

total hours for the project = 13 points x 10 hours = 130 hours.

Team Capacity Estimates:

|  |  |  |
| --- | --- | --- |
| Name | Worst case per week  (hours) | Best case per week  (hours) |
| Liew Chuen Wai | 16 | 24 |
| Chan Bo Yao | 26 | 39 |
| Tam Kok Wai | 16 | 24 |
| Lim Yeat Han | 22 | 33 |
| Tan Jun Yew | 26 | 39 |
| Total team capacity per week | 106 | 159 |
|  | **Low** | **High** |
| Total per Sprint (3 weeks) | 318 | 477 |

Estimating Velocity:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Team capacity per 3 weeks sprint (hours) | Hours per point | Estimated Velocity |
| Low Velocity | 318 | 10 | 31 |
| High Velocity | 477 | 10 | 47 |