**Sprint Planning**

**Sprint goal** : For this sprint, all team members have complete task on time so we can deliver system to the customer in time although we have face some problems when doing cancellation of flight ticket but the team members work together and solve it.

**Sprint backlog**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Story** | **Estimated time taken to complete (days)** | **Priorities**  **(1 – 3)** | **Developers** |
| 05/12/2016 | Make cancellation of flight ticket | 3 | 2 | Chan Bo Yao, Liew Chuen Wai,Lim Yeat Han,Tam Kok Wai |
| 06/12/2016 | Recover back member password | 2 | 1 | Tan Jun Yew,Chan Bo Yao |
| 07/12/2016 | Edit flight details | 3 | 2 | Liew Chuen Wai,Chan Bo Yao |
| 08/12/2016 | Make payment of flight ticket | 4 | 3 | Tan Jun Yew,Lim Yeat Han,Tam Kok Wai |
| 09/12/2016 | Add flight schedule | 4 | 3 | Tan Jun Yew,Tam Kok Wai |
| 10/12/2016 | Login as admin | 2 | 2 | Chan Bo Yao ,Lim Yeat Han |
| 11/12/2016 | View reservation details | 3 | 1 | Chan Bo Yao , Tam Kok Wai |

**Points to hours approximately**

Average reference story = 2 points

Total hours for average reference story tasks = 22 hours

Hours per point = 22 hours / 2 points = 11 hours

If there are 14 points in product backlog,

total hours for the project = 14 points x 10 hours = 140 hours.

Team Capacity Estimates:

|  |  |  |
| --- | --- | --- |
| Name | Worst case per week  (hours) | Best case per week  (hours) |
| Liew Chuen Wai | 12 | 18 |
| Chan Bo Yao | 26 | 39 |
| Tam Kok Wai | 28 | 42 |
| Lim Yeat Han | 18 | 27 |
| Tan Jun Yew | 20 | 30 |
| Total team capacity per week | 102 | 156 |
|  | **Low** | **High** |
| Total per Sprint (3 weeks) | 306 | 468 |

Estimating Velocity:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Team capacity per 3 weeks sprint (hours) | Hours per point | Estimated Velocity |
| Low Velocity | 306 | 10 | 30 |
| High Velocity | 468 | 10 | 46 |