**Sprint Planning**

**Sprint goal**: For the next sprint, we would like to implements other features such as seat reserve, display movie, cancel reservation, calculation function and automatically print ticket.

**Sprint backlog**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Story** | **Estimated time taken to complete (hours)** | **Priorities**  **(1 - 3)** | **Developers** |
| 5/12/2016 | Manager want to have hall seat reserve | 18 | 3 | Lim Chung Yong, Chin Wei Zen |
| 6/12/2016 | Manager want the system can display movie | 12 | 2 | Teh Meng Thye, Ooi Jing Xuan |
| 7/12/2016 | Manager want system allow staff to cancel reservation | 12 | 2 | Lim Chung Yong, Ooi Jing Xuan, Teh Meng Thye, Chin Wei Zen |
| 8/12/2016 | Staff want to have calculation | 18 | 2 | Lim Chung Yong, Ooi Jing Xuan, Teh Meng Thye, Chin Wei Zen |
| 9/12/2016 | Staff want system can automatically print ticket | 12 | 2 | Lim Chung Yong, Ooi Jing Xuan, Teh Meng Thye, Chin Wei Zen |

Points-to-Hours Approximation

Reference story = 2 points

Total hours for reference story tasks = 12 hours

Hours per point = 12 hours / 2 points = 6 hours per point

If there are 7 points in the product backlog,

total hours for the project = 8 points x 6 hours = 48 hours

Team Capacity Estimates

|  |  |  |
| --- | --- | --- |
| Name | Worst Case per Week  (hours) | Best Case per Week  (hours) |
| Lim Chung Yong | 28 | 32 |
| Ooi Jing Xuan | 20 | 24 |
| Teh Meng Thye | 21 | 26 |
| Chin Wei Zen | 22 | 26 |
| Total Team Capacity per Week | 91 | 108 |
|  | LOW | HIGH |
| Total per 3-Week Sprint | 273 | 324 |

Estimating Velocity

|  |  |  |  |
| --- | --- | --- | --- |
|  | Team Capacity per 3-week Sprint (Hours) | Hours per Point | Estimated Velocity |
| Low Velocity | 273 | 6 | 45 |
| High Velocity | 324 | 6 | 54 |