**Sprint Planning Meeting**

**Sprint Goal:** We would like to implement calculate fine, borrowed book and registration module

**Sprint Backlog:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| User  Story | Tasks | Day  1 | Day  2 | Day  3 | Day  4 | Day  5 | Day  6 | Day  7 | Day  8 | Day  9 | Day  10 | Day  11 | Day  12 | Day  13 | Day  14 |
| As a staff of a library, I want to check the number of days of the late returns to calculate the total fine for late returns. | Calculate Fine | 0 | 0 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| As a user, I want to be able to view the books that I have borrowed so I can find out what book I have borrowed. | Borrowed Book | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 2 | 0 | 0 |
| As a user, I want to register as a member of the library so that I can start borrows books. | Registration | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 2 | 0 | 0 |

|  |  |  |  |
| --- | --- | --- | --- |
| **User Story** | **Time estimated (Hours)** | **Point** | **Developers** |
| - As a staff of a library, I want to check the number of days of the late returns to calculate the total fine for late returns.  -Design the user interface of the Calculate fine page  -The system is coded based on the user story and the user interface. | 6  4 | 2 | Chong Khuan Chen, Ooi Chun Chiat, Teh Zhi Rou, Yu Ke Quan |
| - As a user, I want to be able to view the books that I have borrowed so I can find out what book I have borrowed.  -Do some coding based on the user story. Test the program by retrieving the details of the books from the database that are borrowed after the borrowed books database is completed  -Come out with a database for borrowed books  -Design the user interface of the view borrowed book page. | 5  3  2 | 2 | Chong Khuan Chen, Ooi Chun Chiat |
| -As a user, I want to register as a member of the library so that I can start borrows books.  -Do some coding based on the user story and test the program by storing details of the borrower into the member database after it is completed  -Come out with a member database  -Design the user interface of the registration page. | 6  4  2 | 3 | Teh Zhi Rou, Yu Ke Quan |
|  | Total Time Estimated: **32** | Total Story Points: **7** |  |

**Estimated hours per point = 32 / 7**

**= 4.571**

**= 5 hours**

**Team Capacity**

|  |  |  |
| --- | --- | --- |
| **Name** | **Worst Case Per Week** | **Best Case Per Week** |
| Chong Khuan Chen | 22 | 29 |
| Ooi Chun Chiat | 20 | 28 |
| Teh Zhi Rou | 24 | 30 |
| Yu Ke Quan | 21 | 31 |

**Calculate:**

|  |  |  |
| --- | --- | --- |
|  | **Worst Case (Low Velocity)** | **Best Case (High Velocity)** |
| Total team capacity per week : | 87 | 118 |
| Total team capacity per 2-week sprint : | 174 | 236 |
| Total team capacity per 2-week sprint / Estimated hours per point | 174 / 5 =34 | 236 / 5 = 47 |