**Sprint Planning Meeting**

**Sprint Goal:** We would like to implement borrow and return book module, login account module, edit book details module and check book list module.

**Scrum 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 user, I want to login to an account to manage user profile, check books I've borrow so that I can return the book the before due date. | Login account | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| As a staff, I want to be able to edit book details such the ISBN, book name, author and publish date because some of the book details were entered wrongly by other staff. | Edit book details | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| As a manager of a library, I want to check the book list and find out what books are not in the list so that I can buy and add in to the list. | Search books | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 |
| As a user, I want to borrow book that I want and return books after I've done reading. | Borrow books | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 |
| Return books | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **User Story** | **Time estimated (Hours)** | **Point** | **Priority** | **Developers** |
| -As a user, I want to login to an account to manage user profile, check books I've borrow so that I can return the book the before due date  -Design the user interface of the logging page  -The system is coded based on the user story and the user interface. | 3  3 | 3 | High | Chong Khuan Chen, Ooi Chun Chiat |
| -As a staff, I want to be able to edit book details such the ISBN, book name, author and publish date because some of the book details might be wrongly entered by other staff.  -Design the user interface of the edit book page and come out with a database to store all the details of the books  -Do some coding based on the user story. Link the page with the database | 4  4 | 2 | Medium | TehZhi Rou, Yu Ke Quan |
| - As a manager of a library, I want to check the list of books that are in the library and find out what books are not in the list so that I can buy and add in to the list.  - Design the user interface of the search books page  -Do some coding based on the user story and test the program by retrieving book details from the database while using the search function. | 5  4 | 3 | High | Chong Khuan Chen, Ooi Chun Chiat |
| - As a user, I want to borrow book that I want and return books after I've done reading.  - Design the user interface of the borrow book page  - Design the user interface of the return book page  -Do some coding based on the user story and test the program by retrieving the books details from the database and store it into the borrower database.  -Do some coding based on the user story and test the program by retrieving the books details from the borrower database and store it back into the database. | 4  5  4  3 | 3 | High | Ooi Chun Chiat, Chong Khuan Chen, Yu Ke Quan and TehZhi Rou |
|  | Total Time Estimated: **39** | Total Story Points: **11** |  |  |

**Estimated hours per point = 39 / 11**

**= 3.545**

**= 4 hours**

**Team Capacity**

|  |  |  |
| --- | --- | --- |
| **Name** | **Worst Case Per Week** | **Best Case Per Week** |
| Chong Khuan Chen | 26 | 32 |
| Ooi Chun Chiat | 24 | 30 |
| TehZhi Rou | 27 | 35 |
| Yu Ke Quan | 29 | 34 |

**Calculate:**

|  |  |  |
| --- | --- | --- |
|  | **Worst Case (Low Velocity)** | **Best Case (High Velocity)** |
| Total team capacity per week : | 106 | 131 |
| Total team capacity per 2-week sprint : | 212 | 262 |
| Total team capacity per 2-week sprint / Estimated hours per point | 212 / 4 =53 | 262 / 4 = 65 |