**Work Breakdown Structure**

Team: **CodeBrigade**

Author

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Author** | **Dilanka** | **Nipuna** | **Subhashini** | **Chiranga** |
| Iteration 1  (weeks 3 – 4) | Loan | Library  Member | Book | Calendar |
| Iteration 2  (weeks 5 – 6) | ReturnBookControl  ReturnBookUI  Main | BorrowBookControl  BorrowBookUI | FixBookControl  FixBookUI | PayFineControl  PayFineUI |

**Code review process**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class** | **Author** | **Reviewer** | **Mediator** |
| Loan | Dilanka | Chiranga | Subhashini |
| Library | Nipuna | Dilanka | Chiranga |
| Member | Nipuna | Dilanka | Chiranga |
| Book | Subhashini | Nipuna | Dilanka |
| Calendar | Chiranga | Subhashini | Nipuna |
|  |  |  |  |
| ReturnBookControl | Dilanka | Nipuna | Chiranga |
| ReturnBookUI | Dilanka | Nipuna | Chiranga |
| Main | Dilanka | Nipuna | Chiranga |
|  |  |  |  |
| BorrowBookControl | Nipuna | Subhashini | Dilanka |
| BorrowBookUI | Nipuna | Subhashini | Dilanka |
|  |  |  |  |
| FixBookControl | Subhashini | Chiranga | Nipuna |
| FixBookUI | Subhashini | Chiranga | Nipuna |
|  |  |  |  |
| PayFineControl | Chiranga | Dilanka | Subhashini |
| PayFineUI | Chiranga | Dilanka | Subhashini |

Intermediate branch will be created to reduce the complexity of review process

            Eg: Branch name = **intermediate-branch**

 Team members agreed to follow the below steps during the review process and  code merging into the master branch

1. Before do any changes all members need to get a pull request from master branch (merge master branch to working member’s branch). Since master branch has the working code each time, each team member gets latest updated code.
2. Author is responsible to do relevant changes to the assigned class
3. Author need to commit the code to intermediate-branch
4. Mediator communicate with author and assign reviewer to test the code
5. Reviewer checkout to intermediate branch and verify the code changes
6. Once code is approved by reviewer, mediator gives approval to the author to create a pull-request from intermediate-branch to master branch.