1DV600

Iteration Planning
- iteration #1, #2 and #3

13 Mar, 2017

Contents

Planning

I have chosen to build on what I have done in previous assignments. However, there are some changes which I think should be improved such as diagrams, design, test cases and vision document.

Project Goal and Milestones

	Goal/Milestones
Project	The goal is to build and test all the functions present in the API.
Iteration #1	The goal is to modify diagrams including use cases diagrams and design for *Remove a book* and *View a list of books*. In addition, modify test plan, test cases related to these use cases and its implementation.
Iteration #2	The goal is to create diagrams, design and implementation for *Add a book*, *Edit a book* and *View a book*. In addition, create test cases related to these use cases and implement them as well as implement unit test related to this newly implemented code.
Iteration #3	The goal is to create diagrams, design and implementation for *Search a book by author or title*. In addition, create test cases related to these use cases and implement them as well as implement unit test related to these newly implemented code. At last, perform API testing, update project plan and create test suits.

Schedule

Iteration	Start Date	End Date	Estimate Time
General Planning	13 Mar 2017	13 Mar 2017	30 m
Iteration #1	13 Mar 2017	13 Mar 2017	1 h 40 m
Iteration #2	13 Mar 2017	13 Mar 2017	2 h 20 m
Iteration #3	13 Mar 2017	13 Mar 2017	2 h 38 m

Iteration #1

Schedule

Milestone	Start Date	End Date	Estimate Time
Modify diagrams(including Use cases) for *Remove a book*, *View a list of books*	13 Mar 2017	13 Mar 2017	20 m
Modify design for *Remove a book* and *View a list of books*	13 Mar 2017	13 Mar 2017	20 m
Modify Test Plan	13 Mar 2017	13 Mar 2017	30 m
Modify Test Cases and its implementation	13 Mar 2017	13 Mar 2017	30 m

Milestone: Modify diagrams(including Use cases) for Remove a book and View a list of books

Plan

Task	Start Date	End Date	Estimate Time
Modify Use cases Diagram	13 Mar 2017	13 Mar 2017	3 m
Modify Activity, Robustness and Sequence diagrams for remove a book	13 Mar 2017	13 Mar 2017	7 m
Modify Activity, Robustness and Sequence diagrams for view a list of book	13 Mar 2017	13 Mar 2017	7 m

Milestone: Modify design for Remove a book and View a list of books

Plan

Task	Start Date	End Date	Estimate Time
Modify Sequence diagrams for Remove a book	13 Mar 2017	13 Mar 2017	8 m
Modify Sequence diagrams for View a list of book	13 Mar 2017	13 Mar 2017	8 m

Milestone: Modify Test Plan

Plan

Task	Start Date	End Date	Estimate Time
Modify old requirements	13 Mar 2017	13 Mar 2017	10 m
Identify new requirements	13 Mar 2017	13 Mar 2017	20 m

Milestone: Modify Test Cases and its Implementation

Plan

Task	Start Date	End Date	Estimate Time
Modify test cases	13 Mar 2017	13 Mar 2017	15 m
Modify implementation	13 Mar 2017	13 Mar 2017	15 m

Iteration #2

All the milestones has been achieved during last iteration.

Schedule

Milestone	Start Date	End Date	Estimate Time
Create diagrams for *Add a book*, *Edit a book*, and *View a book*	13 Mar 2017	13 Mar 2017	30 m
Create Design	13 Mar 2017	13 Mar 2017	30 m
Implementation	13 Mar 2017	13 Mar 2017	30 m
Test cases and its Implementation	13 Mar 2017	13 Mar 2017	30 m
Create Unit test for newly implemented code	13 Mar 2017	13 Mar 2017	20 m

Milestone: Create diagrams for Add a book, Edit a book, and View a book

Plan

Task	Start Date	End Date	Estimate Time
Create Activity, Robustness and Sequence diagrams for add a book	13 Mar 2017	13 Mar 2017	10 m
Create Activity, Robustness and Sequence diagrams for edit a book	13 Mar 2017	13 Mar 2017	10 m
Create Activity, Robustness and Sequence diagrams for view a book	13 Mar 2017	13 Mar 2017	10 m

Milestone: Create design for Add a book, Edit a book, and View a book

Plan

Task	Start Date	End Date	Estimate Time
Create design for add a book	13 Mar 2017	13 Mar 2017	10 m
Create design for edit a book	13 Mar 2017	13 Mar 2017	10 m
Create design for view a book	13 Mar 2017	13 Mar 2017	10 m

Milestone: Implementation of Add a book, Edit a book, and View a book

Plan

Task	Start Date	End Date	Estimate Time
Implement add a book	13 Mar 2017	13 Mar 2017	10 m
Implement edit a book	13 Mar 2017	13 Mar 2017	10 m
Implement view a book	13 Mar 2017	13 Mar 2017	10 m

Milestone: Create test cases(including implementation) of Add a book, Edit a book, and View a book

Plan

Task	Start Date	End Date	Estimate Time
Test case of add a book	13 Mar 2017	13 Mar 2017	10 m
Test case of edit a book	13 Mar 2017	13 Mar 2017	10 m
Test case of view a book	13 Mar 2017	13 Mar 2017	10 m

Milestone: Write unit test for new implemented code in 'catalog' class

Plan

Task	Start Date	End Date	Estimate Time
write unit test	13 Mar 2017	13 Mar 2017	20 m

Iteration #3

All the milestones has been achieved during last iteration.

Schedule

Milestone	Start Date	End Date	Estimate Time
Create diagrams for *Search a book by author or title*	13 Mar 2017	13 Mar 2017	15 m
Create Design	13 Mar 2017	13 Mar 2017	15 m
Implementation	13 Mar 2017	13 Mar 2017	30 m
Test cases and its Implementation	13 Mar 2017	13 Mar 2017	20 m
Create Unit test for newly implemented code	13 Mar 2017	13 Mar 2017	10 m
API Testing	13 Mar 2017	13 Mar 2017	50 m
Update Project Plan	13 Mar 2017	13 Mar 2017	10 m
Create Test Suits	13 Mar 2017	13 Mar 2017	8 m

Milestone: Create diagrams for Search a book by author or title

Plan

Task	Start Date	End Date	Estimate Time
Create Activity, Robustness and Sequence diagrams	13 Mar 2017	13 Mar 2017	15 m

Milestone: Create design for Search a book by author or title

Plan

Task	Start Date	End Date	Estimate Time
Create design(Sequence Diagram)	13 Mar 2017	13 Mar 2017	15 m

Milestone: Implementation Search a book by author or title

Plan

Task	Start Date	End Date	Estimate Time
Implementation	13 Mar 2017	13 Mar 2017	30 m

Milestone: Test Cases and its Implementation

Plan

Task	Start Date	End Date	Estimate Time
Create Test Cases	13 Mar 2017	13 Mar 2017	10 m
Implement Test Cases	13 Mar 2017	13 Mar 2017	10 m

Milestone: Create unit tests for newly implemented code in 'catalog' class

Plan

Task	Start Date	End Date	Estimate Time
Create unit tests	13 Mar 2017	13 Mar 2017	10 m

Milestone: API Testing

Plan

Task	Start Date	End Date	Estimate Time
Add a book	13 Mar 2017	13 Mar 2017	10 m
Edit a book	13 Mar 2017	13 Mar 2017	10 m
Remove a book	13 Mar 2017	13 Mar 2017	10 m
View a book	13 Mar 2017	13 Mar 2017	10 m
View a list of books	13 Mar 2017	13 Mar 2017	10 m

Milestone: Update Project plan

Plan

Task	Start Date	End Date	Estimate Time
Add Iteration #4	13 Mar 2017	13 Mar 2017	10 m

Milestone: Create Test Suits

Plan

Task	Start Date	End Date	Estimate Time
Create Model Test Suit	13 Mar 2017	13 Mar 2017	2 m
Create API Test Suit	13 Mar 2017	13 Mar 2017	2 m
Create Use cases Test Suit	13 Mar 2017	13 Mar 2017	2 m
Create Complete System Test Suit	13 Mar 2017	13 Mar 2017	2 m