# ABC’s Inventory Management System

## Key milestones

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| --- | --- |
| **Milestone** | **Date** |
| Iteration start | 09/04/2018 |
| Establish meeting minutes for week-6 | 09/04/2018 |
| Update Project Plan, Iteration Plan and version control | 09/04/2018 |
| Establish Feedback document for week-6 | 09/04/2018 |
| Create Revised Project Vision | 10/04/2018 |
| Create Revised Requirement Model | 11/04/2018 |
| Create Final Architecture | 12/04/2018 |
| Create Revised Risk List | 12/04/2018 |
| Create Revised Master Test Plan | 12/04/2018 |
| Address and Mitigate the Highest Priority Risky Architectural Element | 15/04/2018 |
| Review and update Iteration Plan, Version Control and Risk List | 15/04/2018 |
| Implement Highest Priority Architectural Element to Support CCRD Use Case | 16/04/2018 |
| Establish meeting minutes for week-7 | 16/04/2018 |
| Update Project Plan, Iteration Plan and version control | 16/04/2018 |
| Establish Feedback document for week-7 | 16/04/2018 |
| Complete Development Testing for Highest Priority Architectural Element | 17/04/2018 |
| Create Revised Project Plan | 18/04/2018 |
| Create the Full Use Case Description | 19/04/2018 |
| Review and update Iteration Plan, Version Control and Risk List | 20/04/2018 |
| Produce Iteration 3 Assessment | 21/04/2018 |
| Iteration stop | 22/04/2018 |

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## High-level objectives

The following are the high level objectives of the third iteration (Elaboration Phase Iteration 1):

* Set out the final concept for the completed application.
* Establish a final architecture and Full Use Case Description for the CCRD use case.
* Set out the final functional and non-functional requirements, the data model.
* Identify the core Use cases
* Establish Design elements for all core use cases.
* Review, update and finalize documents from LCOM.
* Identify the issues that might occur during the project and find solutions for them.
* Assess the project progress against the overall aims of the project, and against the specific aims of the Elaboration Phase.

## Work Item assignments

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name or key words of description** | **Priority** | **Size estimate (points)** | **State** | **Reference material** | **Target iteration** | **Assigned to (name)** | **Hours worked** | **Estimate of hours remaining** |
| Establish meeting minutes for week-6 | 6 | 3 | Completed |  | 2 | Hieu Hanh Tran |  |  |
| Update Project Plan, Iteration Plan and version control | 7 | 7 | Completed |  | 2 | Hieu Hanh Tran |  |  |
| Establish Feedback document for week-6 | 9 | 3 | Completed |  | 2 | Shirish Maharjan |  |  |
| Create Revised Project Vision | 7 | 5 | Completed |  |  | Hieu Hanh Tran |  |  |
| Create the Full Use Case Description | 7 | 7 | Completed |  | 1 | Hieu Hanh Tran  Shirish Maharjan  Arik Maharjan |  |  |
| Create Revised Requirement Model | 7 | 8 | Completed |  | 1 | Shirish Maharjan |  |  |
| Create Final Architecture | 9 | 8 | Completed |  |  | Shirish Maharjan |  |  |
| Create Revised Risk List | 7 | 7 | Completed |  |  | Arik Maharjan |  |  |
| Create Revised Master Test Plan | 7 | 3 | In Progress |  |  | Hieu Hanh Tran |  |  |
| Create Executable Architecture | 8 |  | Completed |  |  | Shirish Maharjan |  |  |
| Create the Evidence of Testing (User Acceptance Tests, Unit and Integration Tests) | 8 |  | Completed |  |  | Hieu Hanh Tran |  |  |
| Address and Mitigate the Highest Priority Risky Architectural Element | 8 |  | Completed |  |  | Arik Maharjan |  |  |
| Review and update Iteration Plan, Version Control | 7 | 5 | Completed |  |  | Shirish Maharjan |  |  |
| Implement Highest Priority Architectural Element to Support CCRD Use Case | 8 | 5 | Completed |  |  | Arik Maharjan |  |  |
| Establish meeting minutes for week-7 | 6 | 9 | Completed |  |  | Hieu Hanh Tran |  |  |
| Update Project Plan, Iteration Plan and version control | 7 | 5 | Completed |  |  |  |  |  |
| Establish Feedback document for week-7 | 9 | 7 | Completed |  |  | Shirish Maharjan |  |  |
| Complete Development Testing for Highest Priority Architectural Element | 8 | 7 | Completed |  |  | Arik Maharjan |  |  |
| Create Revised Project Plan | 7 | 7 | Completed |  |  | Arik Maharjan |  |  |
| Review and update Iteration Plan, Version Control | 9 | 8 | Completed |  |  | Arik Maharjan |  |  |
| Produce Iteration 4 Assessment | 9 | 7 | Completed |  |  | Hieu Hanh Tran |  |  |

## Issues

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| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| Lack of regular communication between team members. | Solved | Holidays caused a slight disorganization in communication between team members. Weekly meetings however were successful during the holidays. |
| Task completion delays due to deadline loads from other subjects. | Solved | Team members had small delays in completing their tasks because of assignment deadlines in other subjects. Adjustments in the iteration plan were made accordingly in a way that wouldn’t hamper the whole project. |
| No sponsor meetings meant no reviews on the tasks completed. | Solved | Team members were not sure about some tasks however these tasks were reviewed and completed internally ready to be reviewed by the sponsor in the next iteration. |

## Evaluation criteria

## Assigned Tasks are completed in time.

## Walk through of iteration build with team members received favourable response.

* Priority use cases identified.
* Favourable response from the lecturer to the design diagrams.

## Assessment

|  |  |
| --- | --- |
| Assessment target | Core use cases identified, and design diagrams developed. |
| Assessment date | 25/04/2018 |
| Participants | Shirish Maharjan, Hieu Hanh Tran, Arik Maharjan |
| Project status | Yellow |

### Assessment against objectives

Following are the brief description of the tasks carried out during Iteration 3 (Elaboration Phase Iteration 1) which supports the fulfilment of the iteration objectives:

* Full Use Case descriptions were established finalizing the functional requirements of the system.
* NFR specifications and Architecture Notebooks were reviewed to finalize the non-functional requirements and the architecture of the system.
* Following the establishment of full use case descriptions, core use cases were identified as manage stock, search stock, manage cart and send stock.
* LCOM documents like Architecture Notebook, Domain Model, Inception Phase Project assessment were reviewed and updated following the feedback from the sponsor which can be seen in the Work Items.
* Issues were identified as the iteration progressed which were listed in the iteration review.
* The progress of the project was assessed through the iteration assessment.

### Work Items: Planned compared to completed

Because of workload from other subjects some of the work items scheduled for the iteration could not be completed. These work items have been scheduled to be listed in the next iteration for the smooth progress of the project. The following work items have not been completed:

* Implement Highest Priority Architectural Element to Support CCRD Use Case
* Create the Evidence of Testing (User Acceptance Tests, Unit and Integration Tests)
* Complete Development Testing for Highest Priority Architectural Element
* Address and Mitigate the Highest Priority Risky Architectural Element

These tasks were not a priority in the iteration as they were only added in the iteration to ease the pressure on later iterations. However, the tasks will be a priority in the following iteration for the smooth progress of the project.

### Assessment against Evaluation Criteria Test results

The following table compares the evaluation criteria and the test results:

|  |  |
| --- | --- |
| Evaluation Criteria | Result |
| Assigned Tasks are completed in time. | * Some delays in delivering design diagrams resulting in adjustment of the work items. |
| Walk through of iteration build with team members received favourable response. | * Tasks completed were discussed in the team meetings resulting in the team discovering new problems which were addressed through discussions in the team meetings. This has directed the project towards a positive direction. * System functionalities and features became clearer and narrowed down as the iteration progressed. |
| * Priority use cases identified. | * Full use case descriptions were established. * Full use case descriptions were reviewed and discussed resulting in the identification of priority use cases. |
| * Favourable response from the lecturer to the design diagrams. | * This criterion could not be satisfied because of public holidays delaying sponsor meetings. |

Following the assessment, it can be concluded that the core objectives of the iteration were satisfied however time has been lost which could have been used to ease the pressure from later iteration. This issue must be solved in later iteration through better planning and better communication so that all planned tasks are completed within the time frame so that more time can be assigned for reviews.