# ABC’s Inventory Management System

## Key milestones

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| --- | --- |
| **Milestone** | **Date** |
| Iteration start | 12/03/2018 |
| Update Project Proposal | 14/03/2018 |
| Update Project Plan and Iteration Plan | 14/03/2018 |
| Update Team Charter | 14/03/2018 |
| Establish Project Vision | 16/03/2018 |
| Start work on the initial Use Case Model | 16/03/2018 |
| Establish Risk List | 18/03/2018 |
| Start work on the initial Domain Model | 21/03/2018 |
| Establish Proposed Architecture | 21/03/2018 |
| Update Project Plan, Iteration Plan, Risk List and Version Control | 21/03/2018 |
| Update Project Vision | 21/03/2018 |
| Establish Meeting Minutes for week-4 | 22/03/2018 |
| Establish NFR specification | 22/03/2018 |
| Establish Master Test Plan | 22/03/2018 |
| Create short use case description | 22/03/2018 |
| Analyse and identify the core use cases | 22/03/2018 |
| Establish Development Environments | 23/03/2018 |
| Establish Technical Competency Demonstrator | 23/03/2018 |
| Establish Inception Phase Project Status Assessment | 24/03/2018 |
| Finalize Iteration reports | 25/03/2018 |
| Iteration stop | 25/03/2018 |

## High-level objectives

* Update project proposal, project plan and team charter.
* Define the core idea and the business case justifying the development effort.
* Identify the scope of the ABC’s Inventory Management software, and the functional and non-functional requirements.
* Produce an architecture for the system.
* Identify the issues might be met during the project and the solutions for them.
* Indicate how to achieve the goals of the project.
* Indicate how the current technical skills support to achieve project goals using the proposed technology.
* Assess the project progress against the overall aims of the project, and against the specific aims of the Inception 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** |
| Update Project Proposal | 9 | 3 | Completed |  | 1 | Heiu Hanh Tran | 1 | 0 |
| Update Project Plan and Iteration Plan | 9 | 3 | Completed |  | 1 | Shirish Maharjan | 1 | 1 |
| Update Team Charter | 9 | 3 | Completed |  | 1 | Arik Maharjan | 2 | 1 |
| Establish Project Vision | 7 | 5 | Completed | Project Proposal  Team Charter |  | Heiu Hanh Tran | 2 | 3 |
| Start work on the initial Use Case Model | 7 | 7 | Completed | Project Proposal |  | Arik Maharjan | 2 | 2 |
| Establish Risk List | 7 | 8 | Completed | Initial Requirement Model  Proposed Architecture |  | Heiu Hanh Tran | 2 | 2 |
| Start work on the initial Domain Model | 7 | 8 | Completed | Use Case Model  Requirement Model |  | Arik Maharjan | 1 | 1 |
| Establish Proposed Architecture | 7 | 8 | Completed | Initial Requirement Model |  | Shirish Maharjan | 4 | 4 |
| Update Project Plan, Iteration plan, Risk List and Version Control | 4 | 3 | Completed |  |  | Hieu Hanh Tran  Shirish Maharjan | 4 | 3 |
| Update Project Vision | 8 | 5 | Completed |  |  | Hieu Hanh Tran | 1 | 1 |
| Establish Meeting Minutes for week-4 | 3 | 3 | Completed |  |  | Shirish Maharjan | 0.5 | 1 |
| Establish NFR specification | 7 | 7 | Completed |  |  | Shirish Maharjan | 3 | 3 |
| Establish Master Test Plan | 7 | 7 | Completed | Project Vision |  | Hieu Hanh Tran | 3 | 4 |
| Create short use case description | 7 | 7 | Completed | Use Case Model |  | Arik Maharjan | 2 | 2 |
| Analyse and identify the core use cases | 7 | 7 | Completed | Use Case Model |  | Arik Maharjan | 1 | 1 |
| Establish Development Environments | 7 | 7 | Completed |  |  | Shirish Maharjan | 2 | 2 |
| Establish Technical Competency Demonstrator | 7 | 7 | Completed | Proposed Architecture |  | Shirish Maharjan | 1 | 1 |
| Establish Inception Phase Project Status Assessment | 7 | 7 | Completed | Initial Project Plan |  | Heiu Hanh Tran | 4 | 3 |
| Update Iteration plan and reports | 4 | 4 | Completed |  |  | Arik Maharjan | 3 | 2 |

## Issues

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| Iteration initiation issues | Solved | Being the first iteration, there were confusions about what the iteration should be, what roles each team member has and or what the iteration plan should represent |
| Project Proposal | Solved | Does not include current business situation, description of how the system will solve the business problem and basic features and functionalities required for the system to be built. |
| Project Plan | Solved | Project Milestones and Objective part does not include all the milestones to be achieved like risk list, master test plan and so on. Feature of the system missing. All roles are not described correctly. Project Practices and measurements has more descriptions than required for the document. Does not include Gantt Chart. |
| Team Charter | Solved | Rotation of roles and description of roles of each member not appropriately described. Conflict resolution method does not include who makes final verdicts when conflicts arise. |
| Project Vision | Solved | Problems with current business system not appropriately described. Affects and impacts sections is not well described. User environment section does not include technical details about the user environments. Product needs and system requirements not appropriately described. |
| Use Case Diagram | Solved | Use cases like Login and Logout should be under same use case. Automated request or notification feature must be added when stock quantity hits a certain level. Use case for faulty items must be added. Issues with whether to include automated notification in the system or not. |

## Evaluation criteria

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

## Favourable response from the lecturer to the documents.

## End user documentation get favorable acceptance by end users.

* Finalizing final documents must be presented according to the standard format.
* Compare and check the date and time of the meetings decided for every week to actual meeting conducted.
* Give feedbacks in every document that have been uploaded into the GitHub.

## Assessment

|  |  |
| --- | --- |
| Assessment target | Producing architecture of the project |
| Assessment date | 03/04/2018 |
| Participants | Shirish Maharjan, Hieu Hanh Tran, Arik Maharjan |
| Project status | Green |

### Assessment against objectives

* Finalized project proposal, project plan and team charter.
* Core idea and the business case justifying the development effort have been defined.
* Problems during the project were found and fixed.
* The scope of ABC’s Inventory Management software, the functional and non-functional requirements are established.
* The project progress against the objective is well examined.

### Work Items: Planned compared to completed

All tasks were completed within the iteration. Some of the tasks were postponed and completed later than initially planned in the iteration. The Iteration itself needed some changes in document format with addition of data, changing Project Plan and modification of non- functional requirement specification focusing on the quality of the system. The team took additional time (extra 1 hour) which eventually all the problems were sorted out and finished all the tasks.

### Assessment against Evaluation Criteria Test results

* Some of the documents were modified and finalized reflecting the lecturer’s feedbacks.
* All the documents based on end user were tested reflecting positive results.

### Other concerns and deviations

* Team members meeting schedules were deviated.
* Overall financial management is well organised by Financial manager.
* Favourable response on the project via ABC owner.