# ABC’s Inventory Management System

## Version Control

## Configuration Management

* It is advised that team members select ‘Watching’ on the repository. This way you will be sent an email every time someone makes changes to the repository. Team members are also advised to send a text message on Telegram every time they have posted something on their branch on GitHub. This gives team members an idea on what is being done by each team member for their tasks.
* Final documents after being reviewed will be posted on one drive shared document.
* If any changes need to be made, it will be made, and a new updated version will be posted on one drive. No versions on one drive are to be deleted by any team member.
* Assignment submissions are to be made on a different one drive shared folder.
* The labelling of versions will be done according to the following rules:
* The name of the document will be followed by the iteration number, a dot and the version number for that iteration. For example: document 1.1 is the first document version of the first iteration.
* If the document established in the previous iterations must be changed in the later iterations the name of the document will be followed by the current iteration, a dot and the document version of the current iteration. For example: If document 1.1 is modified twice in the first iteration, the name of the documents will be document 1.1, document 1.2 and document 1.3. If document 1.3 must be modified in the third iteration, the new version of the document will be document 3.1.

## Version Control Table

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| --- | --- | --- | --- | --- |
| **Title** | Iteration 1 documentation versions | | | |
| **Description** | Review, update and modify Team Charter, Project Proposal, Project Plan, Iteration Plan, Project Vision, Risk List, Architectural Notebook, Non-Functional Requirements Specification, Use Case Diagram, Domain Model, Master Test Plan, Short Use Case Description, Development Environments and Technical Competency Demonstrator. | | | |
| **Created By** | Hieu Hanh Tran | | | |
| **Date Created** | 08/03/2018 | | | |
| **Maintained By** | Hieu Hanh Tran, Shirish Maharjan, Arik Maharjan | | | |
| **Version Number** | **Modified By** | **Modifications Made** | **Date Modified** | **Status** |
| Team Charter 1.1 | Hieu Hanh Tran | * Provide the Team Name as well as the team member’s contact details. * Provide the Team Mission and Objectives or Goals to show the clients the reason why the team exists, the specific goals or outcomes that the team is hoping to achieve; the Potential Barriers the team will meet during doing the project. * Provide the Team Member Skill Inventory as well as the Roles and Responsibilities which are supported by each team member. * Provide the basic Rules and Expectations as well as Conflict Resolution Mechanisms to avoid potential issues when doing the project. * Ensure get the agree from all team members by signing off the Team Charter. | 01/03/2018 | Completed |
| Team Charter 1.2 | Shirish Maharjan | * Change the team name. * Re-define the Mission and Objectives or Goals in Team Charter as well as limit the scopes. * Take the Team Communications part out of Team Charter to become a separate file. * Add some communication rules and expectations into the Team Charter such as time for meetings, medium of meetings, location for meetings. * Informing team members that the roles and responsibility will be rotated every month. | 08/03/2018 | Completed |
| Team Charter 1.3 | Arik Maharjan | * Add a brief description about the rotation of roles in Team Member Skill Inventory. * In the conflict resolution should mention that the project manager would be in-charge when having the conflicts between team members. * Add more role for each team member instead of 1 member only assign 1 role. | 15/03/2018 | Completed |
| Team Charter 1.4 | Shirish Maharjan | * Grammar errors fixed * Signature added | 18/03/2018 | Completed |
| Project Proposal 1.1 | Shirish Maharjan | * Provide the basic information about the project such as, project name, project member, project summary, etc. * Provide the Short Project Description to help the clients as well as team members have the overview of the project. * List the main components of architecture which are used to deploy the project. * Provide the team’s skill list about which skill will be used to deploy the project * Provide the potential issues list which the team might meet when doing the project. | 01/03/2018 | Completed |
| Project Proposal 1.2 | Shirish Maharjan | * Change the Project Name and Group Size from “Ware house Management System” to “ABC’s Inventory Management System” to make the name for specific. * Change the Architecture Outline to make it more accurate. * Re-define the Short Project Description in Project Proposal to make the project clearer and follow the missions as well as goals. | 08/03/2018 | Completed |
| Project Proposal 1.3 | Hieu Hanh Tran | * Fix the Short Project Description part in Project Proposal to be more specific such as:   + Show the current situation problems of the project.   + Explain how to solve those problems   + Which methodology will be applied to solve those problems   + What are the features of the system.   + What are the functionalities of the system. * Change the Template of the Project Proposal to be consistent with other files. | 14/03/2018 | Completed |
| Project Plan 1.1 | Shirish Maharjan | * Initial Plan document of the project * Referenced milestones from subject outline and assignments. | 12/03/2018 | Completed |
| Project Plan 1.2 | Shirish Maharjan | * Add more tasks the Iteration I-1 in Project Milestones and Objectives part such as Risk List, master Test Plan, etc. * Add more information about the features of the System. * The Project Plan should not use the words such as “Head of” because those words only used for an organisation or department. * Deployment section should be improved the testing phase. (the porject should be tested and get the feedback from other teams or stakeholders). * Add more role for each team member instead of 1 member only assign 1 role. * Project Practices and Measurements should be fixed by giving the shorter description but need to be reference to the Project Proposal. * Add Gantt Chart for the Project Practices and Measurements. | 14/03/2018 | Completed |
| Project Plan 1.3 | Shirish Maharjan | * Divided each iteration into 2 rows for 2 weeks in each iteration. * Added Update Version Control Document”, “Update Project Vision”, “Update Risk List”, etc. into the Project Milestones and Objectives. * Adjusted dates and added more time for the documents that could not be competed | 21/03/2018 | Completed |
| Project Plan 2.1 | Shirish Maharjan | * Updated Iteration 2 tasks * Updated Gantt Chart | 01/04/2018 | Completed |
| Project Plan 3.1 | Hieu Hanh Tran | * Updated Iteration 3 (Elaboration Phase first iteration) tasks * Updated Gantt Chart | 11/04/2018 | Completed |
| Project Plan 4.1 | Hieu Hanh Tran | * Updated Iteration 4 (Elaboration Phase second iteration) tasks * Updated Gantt Chart | 23/04/2018 | Completed |
| Iteration 1 Plan 1.1 | Hieu Hanh Tran | * Provide the Key milestones such as milestone and date of each milestone. * Prove the high-level objectives of the Iteration 1. * Provide the Work Item assignments to give the details of the task such as who will assign for the task, priority of the task, etc. * Provide the issues when doing the Iteration. * Provide the evaluation criteria for the Iteration 1. * Provide the assessments which is used for capturing and communicating results and actions from assessments. | 10/03/2018 | Completed |
| Iteration 1 Review 1.1 | Shirish Maharjan | * Adjust date of Iteration 1 start from 14/03/2018 instead of 12/03/2018. * Complete the Assigned name for the tasks in work item assignments. * Add the Estimate Hours Work for each task in Work Item assignments. * Complete the Issues part and Assessment part. | 15/03/2018 | Completed |
| Iteration 1 Review 1.2 | Shirish Maharjan | * Adjusted dates for tasks that could not be completed. * Assigned tasks for second week of iteration 1. | 21/03/2018 | Completed |
| Iteration 1 Assessment | Arik Maharjan | * Completed the work item assignments assigning details to the table referring to the project meeting by verifying all the documents. * Provided the description of the assessment for the iteration 1. * Updated the assessment against objectives according to the major objective of the iteration 1. * Updated the work items: planned compare to complete by reviewing the work done during this iteration. * Updated Assessment against Evaluation Criteria Test results according to the evaluation criteria. * Reviewed and revised the final document finalising it.. | 03/04/2018 | Completed |
| Iteration 1 plan 1.4 | Arik Maharjan | * Completed the work item assignments assigning details to the table referring to the project meeting by verifying all the documents. * Provided the description of the assessment for the iteration 1. * Updated the assessment against objectives according to the major objective of the iteration 1. * Updated the work items: planned compare to complete by reviewing the work done during this iteration. * Updated Assessment against Evaluation Criteria Test results according to the evaluation criteria. * Reviewed and revised the final document finalising it. | 03/04/2018 | Completed |
| Iteration 2 Plan 2.1 | Shirish Maharjan | * Provided Key milestones for second iteration with expected dates of completion * Established high-level objectives of the second iteration * Establish work item assignments to assign tasks and judge the priority of the tasks. * Provide the evaluation criteria for the second iteration | 26/03/2018 | Completed |
| Iteration 2 Review 2.1 | Shirish Maharjan | * Updated tasks (removed the tasks that is not the priority for the iteration because of the second assessment item). * Updated work items assignment according to the tasks updated. | 01/04/2018 | Completed |
| Iteration 3 Plan 3.1 | Hieu Hanh Tran | * Provide the Key milestones such as milestone and date of each milestone. * Prove the high-level objectives of the Iteration 3. * Provide the Work Item assignments to give the details of the task such as who will assign for the task, priority of the task, etc. * Provide the issues when doing the Iteration. * Provide the evaluation criteria for the Iteration 3. * Provide the assessments which is used for capturing and communicating results and actions from assessments. | 11/04/2018 | Draft |
| Iteration 3 Assessment | Shirish Maharjan | * Added more issues faced during the iteration. * Iteration assessment made against the objectives of the iteration identifying tasks completed which satisfies the objectives. * Work items analysed. (Uncompleted work items identified so that the items can be included in the next iteration). * Iteration assessment made against the evaluation criteria. Tasks which satisfies the evaluation criteria were identified. * Conclusion on iteration assessment made. | 25/04/2018 | Completed |
| Project Vision 1.1 | Hieu Hanh Tran | * Provide a brief introduction to the context of the project. * Provide a statement summarizing the problem being solved by this project. * Provide overall statement summarizing, at the highest level, the unique position the product intends to fill in the marketplace. * List all the stakeholders involve to the project. * Provide the detail of working environment of the target user. * Provide needs/ features and other product requirements. | 16/03/2018 | Completed |
| Project Vision 1.2 | Hieu Hanh Tran | * Give more details in Project Statement such as the problems, affects, impacts, etc. * Give more details about key benefits of Product Position Statement. * Add more stakeholders to the project such as designer, system analyst, etc. * Fix the User Environment part to be more detail and accurate such as the system will be run on Windows, etc. * The Needs and Features have been fixed depends on the system’s functionalities. * The Other Product Requirements have been added more non-functional functionalities. | 21/03/2018 | Completed |
| Project Vision 1.3 | Hieu Hanh Tran  Shirish Maharjan | * Improve grammar for the documents * Make the User Environment more appropriate and understandable with the project. * Add more need and features. * Add Development Environments | 25/03/2018 | Completed |
| Risk List 1.1 | Hieu Hanh Tran | * Provide the Risk Impact which is populated with the potential impact of the risk if it did become a project issue. * Provide Probability of Occurrence which is populated with the estimated probability that the risk will at some point become a project issue. * Provide Risk Map which is a calculated field based on the values selected for both Risk Impact and Probability of Occurrence. * Provide Risk Description which is populated with a description of the risk. * Provide Project Impact which is populated with a description of the potential project impact as a result of the risk. * Provide Risk Area which is populated with the symptoms of risk that may eventually lead to execution of a risk contingency plan. * Provide Trigger which is populated with the triggers that would indicate the requirement to execute contingency plan. * Provide Risk Response Strategy which is populated with the preferred risk response strategy. * Provide Response Strategy which is populated an appropriate response strategy to prevent the risk from becoming an issue. * Provide Contingency Plan which is populated with a description of the risk contingency plan. | 18/03/2018 | Completed |
| Inception Phase Project Status Assessment 2.1 | Hieu Hanh Tran | * Provide the Introduction to give a brief description for this document. * Provide the Expectations to indicates the expectations when finished the Inception Phase. * Provide the Gantt Chart for Inception Phase which indicates the tasks of 2 Iterations in this phase. * Prove the Task Description which gives the full description for each task. * Provide the Result to show which documents have been done. | 04/04/2018 | Completed |
| Inception Phase Project Status Assessment 3.1 | Hieu Hanh Tran | * Update the Expectations Part which indicate the expectations for Inception Phase. * Update the Result Part to be accurate, reflect the expectations part of the project. | 11/04/2018 | Completed |
| Architectural Notebook 1.1 | Shirish Maharjan | * A draft version of the architecture to be used to build the system. | 21/03/2018 | Completed |
| Architecture Notebook 2.1 | Shirish Maharjan | * Added all the non-functional requirements with a few changes in the description. * Added more descriptions in the decisions, constraints and justification section * Added logic layer and use case layer * Added Mechanisms in the mechanism section | 06/04/2018 | Completed |
| Architecture Notebook 3.1 | Shirish Maharjan | * Added detailed description in the Architectural mechanism according to the feedback document for week 7 | 11/04/2018 | Completed |
| NFR Checklist 1.1 | Shirish Maharjan | * A list of all the Non-Functional Requirements required for the system with a short description. | 19/03/2018 | Completed |
| NFR Specification 1.1 | Shirish Maharjan | * A draft version of the detailed specification of the non-functional requirements of the system. | 20/03/2018 | Completed |
| NFR Specification 2.1 | Shirish Maharjan | * Added statements for the system-wide functional requirements * Added hardware interface for printer and barcode * Added more system constraints | 30/03/2018 | Completed |
| Technical Competency Demonstrator 1.1 | Shirish Maharjan | * Description of the technical competency of team members. The technologies are included along with the experience and projects done proving the experience. | 18/04/2018 | Draft |
| Use Case Diagram 1.1 | Arik Maharjan | * A draft version of the Use Case Model created consisting main functions of the overall operation. | 20/03/2018 | Completed |
| Use Case Diagram 1.2 | Arik Maharjan | * Added some extra use cases in the use case model. * Changes made assigning Use Cases to stakeholders accordingly. | 25/03/2018 | Completed |
| Use Case Diagram 1.3 | Arik Maharjan | * Merged Use Cases that defined same functionalty. | 26/03/2018 | Completed |
| Use Case Diagram 1.4 | Arik Maharjan | * Added the System name in the diagram. * Modified the design of the Use Case Model in systematic way. * Extended Accept Stock Use Case to Scan Bar Code | 27/03/2018 | Completed |
| Use Case Diagram 3.1 | Arik Maharjan | * Check Notification Use Case assigned with all the stakeholders | 30/03/2018 | Completed |
| Short Use Case Description 1.1 | Arik Maharjan | * Created a document. * Provided the Use Cases and short description respectively | 27/03/2018 | Completed |
| Short Use Case Description 1.2 | Arik Maharjan | * ‘Receive Email’ Use Case modified into ‘Managed Notification’. * Likewise, ‘Add New Staff’ Use Case was changed to ‘Manage Staff’ as it would supervise entire staffs. | 27/03/2018 | Completed |
| Short Use Case Description 1.3 | Arik Maharjan | * A new Use Case ‘Report Faulty’ was added. * As the ‘Scan Bar Code’ is extended, it is merged with the ‘Accept Stock’. | 02/04/2018 | Completed |
| Short Use Case Description 2.1 | Arik Maharjan | * Reviewed and revised the document whether all the use cases retrieved from the Use Case Model. | 04/04/2018 | Completed |
| Entity Relational Diagram 2.1 | Arik Maharjan | * Created a relational diagram structure of the system. | 06/04/2018 | Completed |
| Entity Relational Diagram 2.2 | Arik Maharjan | * Assigned all the entities with respective attributes * Fixed the relation between entities. | 07/04/2018 | Completed |
| Entity Relational Diagram 2.3 | Arik Maharjan | * Attributes were separated from the entities showing the relation between them. | 08/04/2018 | Completed |
| FUCD Send Stock 3.1 | Shirish Maharjan | * Full use case description of ‘Send Stock’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 18/04/2018 | Completed |
| FUCD Send Stock 3.2 | Shirish Maharjan | * Changes made to the normal flow of the use case. * User cancelling scenario added to the exception flow option. * Necessary text formatting made. | 20/04/2018 | Completed |
| FUCD Scan Barcode 3.1 | Shirish Maharjan | * Full use case description of ‘Scan Barcode’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 18/04/2018 | Completed |
| FUCD Accept Stock 3.1 | Shirish Maharjan | * Full use case description of ‘Accept Stock’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 18/04/2018 | Completed |
| FUCD Manage Staff 3.1 | Shirish Maharjan | * Full use case description of ‘Manage Staff’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 20/04/2018 | Completed |
| FUCD Manage Cart 3.1 | Hieu Hanh Tran | * Full use case description of ‘Manage Cart’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 20/04/2018 | Completed |
| FUCD Request Item 3.1 | Hieu Hanh Tran | * Full use case description of ‘Request Item’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 20/04/2018 | Completed |
| FUCD Create Report 3.1 | Hieu Hanh Tran | * Full use case description of ‘Create Report’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 20/04/2018 | Completed |
| FUCD Report Faulty 3.1 | Hieu Hanh Tran | * Full use case description of ‘Report Faulty’ use case with detailed description of normal flow, exception flow, pre and post conditions, key scenarios and so on. | 20/04/2018 | Completed |
| System Sequence Diagram Send Stock 3.1 | Shirish Maharjan | * Draft version of the system sequence diagram for ‘Send Stock’ use case. | 22/04/2018 | Completed |
| System Sequence Diagram Manage Cart 3.1 | Hieu Hanh Tran | * Draft version of the system sequence diagram for ‘Manage Cart’ use case. | 22/04/2018 | Completed |
| Activity Diagram Send Stock 3.1 | Shirish Maharjan | * Draft version of the activity diagram for ‘Send Stock’ use case. | 22/04/2018 | Completed |
| Activity Diagram Manage Cart 3.1 | Hieu Hanh Tran | * Draft version of the activity diagram for ‘Send Stock’ use case. | 22/04/2018 | Completed |