# ABC’s Inventory Management System

## Iteration 4 Review

## Key milestones

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Iteration start | 23/04/2018 |
| Establish meeting minutes for week-9 | 26/04/2018 |
| Update Project Plan, Iteration Plan and version control | 26/04/2018 |
| Review Full Use Case Description for all use cases | 27/04/2018 |
| Establish Activity Diagram for core 4 use cases | 28/04/2018 |
| Establish System Sequence Diagram for core 4 use cases | 01/05/2018 |
| Establish Feedback document for week-10 | 02/05/2018 |
| Establish meeting minutes for week-10 | 02/05/2018 |
| Revise Full Use Case Description for Accept Stock and Send Stock | 02/05/2018 |
| Update Domain Model | 02/05/2018 |
| Establish Sequence Diagram for all Use Cases | 04/05/2018 |
| Establish Design Class Diagram | 04/05/2018 |
| Update Project Plan, Iteration Plan and Version Control | 05/05/2018 |
| Establish Iteration 4 Assessment | 06/05/2018 |
| Review Risk List and Project Vision | 06/05/2018 |
| Iteration Stop | 06/05/2018 |

## High-level objectives

* Produce Design documents for all use cases.
* Start Initial Implementation work for the most critical use case.

## 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-9 | 6 | 3 | Completed |  | 2 | Shirish Maharjan |  |  |
| Update Project Plan, Iteration Plan and Version control | 7 | 7 | Completed |  | 2 | Shirish Maharjan |  |  |
| ReviewFull Use Case Description for all use cases | 8 | 3 | Completed |  | 2 | Hieu Hanh Tran  Shirish Maharjan  Arik Maharjan |  |  |
| Establish Activity Diagram for core 4 use cases | 9 | 5 | Completed |  |  | Shirish Maharjan  Hieu Hanh Tran  Arik Maharjan |  |  |
| Establish System Sequence Diagram for core 4 use cases | 8 | 3 | Completed |  |  | Arik Maharjan  Shirish Maharjan  Hieu Hanh Tran |  |  |
| Establish Feedback document for week-10 | 10 | 8 | Completed |  | 1 | Hieu Hanh Tran |  |  |
| Establish meeting minutes for week-10 | 6 | 5 | Completed |  | 1 | Shirish Maharjan |  |  |
| Revise Full Use Case Description for Accept Stock and Send Stock | 8 | 6 | Completed |  |  | Shirish Maharjan |  |  |
| Update Domain Model | 7 | 5 | Completed |  |  | Arik Maharjan |  |  |
| Establish Sequence Diagram for all Use Cases | 10 | 10 | Completed |  |  | Shirish Maharjan  Hieu Hanh Tran  Arik Maharjan |  |  |
| Establish Design Class Diagram | 8 | 8 | Completed |  |  | Hieu Hanh Tran |  |  |
| Update Project Plan, Iteration Plan and Version Control | 6 | 5 | Completed |  |  | Hieu Hanh Tran  Shirish Maharjan |  |  |
| Establish Iteration 4 Assessment | 8 | 7 | Completed |  |  | Shirish Maharjan |  |  |
| Review Risk List and Project Vision | 7 | 5 | Completed |  |  | Hieu Hanh Tran |  |  |

## Issues

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| Issues with decision on which design document to be established. | Solved | Since week 8 and 9 class were cancelled due to holidays, document reviews could not be conducted creating confusion on what documents needed to be created and changed. |
| Assessment deadlines from other subjects and work commitments caused delays in conducting few tasks. | Solved | Iteration plan was adjusted according to the delays and team members were made aware about the importance of proper scheduling and setting priorities. |
| Sequence diagram were not produced significantly delaying implementation tasks. | Solved | Sequence diagrams were prioritized and produced allowing implementation tasks to be started. |

## Evaluation criteria

## Tasks completed in time.

* Design documents are established and reviewed.
* Implementation started for the core use case.

## Assessment

|  |  |
| --- | --- |
| Assessment target | Design documents finalised, Core use case implementation started |
| Assessment date | 08/05/2018 |
| Participants | Shirish Maharjan |
| Project status | Yellow |

### Assessment against objectives

Following are the list of tasks carried out for Iteration 4 supporting the fulfilling the iteration objectives. (Note: The implementation of the core use case could not be started during this iteration because of the significant delays caused by the delay in producing sequence diagrams. This objective will be fully addressed and be prioritized in iteration 5 (Elaboration Phase Iteration 3).):

* Full use case description documents were established and reviewed.
* The domain model document was reviewed.
* The design class diagram was established based on the domain model.
* The activity diagram was established however following discussions with the sponsor it has been concluded that activity diagram is not required when sequence diagrams are available.
* Sequence diagrams for all significant use cases were established.

### Work Items: Planned compared to completed

Holidays and work commitments caused tasks to be delayed significantly. A lot of time was lost during the iteration. This issue has been reviewed and discussed with team members. This has caused a setback in starting the implementation tasks. Implementation of ‘Search Product’ will be focused in Iteration 5. Testing will also be started if all implementation is completed. Similarly, documentation for testing and other updates for existing documents will be made because of the delay caused during this iteration.

### Assessment against Evaluation Criteria Test results

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

|  |  |
| --- | --- |
| Evaluation Criteria | Result |
| Tasks completed in time. | * Implementation of ‘Search Product’ could not be conducted which has been prioritise for the next iteration. |
| Design documents are established and reviewed. | * All design documents have been established and reviewed. * Some diagrams like sequence and full use case description will be updated according to the feedbacks received in the next iteration. |
| * Implementation started for the core use case. | * Implementation of the core use case could not be started in this iteration caused by the delay in establishing sequence diagram. Tasks have been divided among team members regarding the implementation of ‘Search Product’ use case. |

### Risks Identified

The following are the risks identified during the iteration:

* Workload from other subjects and work commitments caused delays on task completion which can potentially affect the whole project.
* Lack of communication
* Lack of knowledge on what needs to be done (causing delay in establishing sequence diagrams)

### Other concerns and deviations

The following are some concerns other than what has been mentioned above that were caused during this iteration:

* Team members are not technically professional with some of the technology required for the implementation of the core use case leading to some discussions. However, team members have decided to follow tutorials online, read books, documentations and so on to be proficient in the technology required for implementation.

## High-level objectives

* Produce Design documents for all use cases.
* Implement the most critical use case.
* Unit test the implementation of the most critical use case with proper documentation.

## 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-9 | 6 | 3 | Completed |  | 2 | Shirish Maharjan |  |  |
| Update Project Plan, Iteration Plan and Version control | 7 | 7 | In Progress |  | 2 | Shirish Maharjan |  |  |
| Establish Feedback document for week-9 | 8 | 3 | Completed |  | 2 | Hieu Hanh Tran |  |  |
| Revise Full Use Case Description for Accept Stock and Send Stock | 9 | 5 | Completed |  |  | Shirish Maharjan |  |  |
| Revise Domain Model | 8 | 3 | Completed |  |  | Arik Maharjan |  |  |
| Establish Sequence Diagram for critical Use Cases | 10 | 8 | In Progress |  | 1 | Hieu Hanh Tran  Shirish Maharjan  Arik Maharjan |  |  |
| Establish Sequence Diagram for all Use Cases | 10 | 9 | In Progress |  | 1 | Shirish Maharjan  Hieu Hanh Tran  Arik Maharjan |  |  |
| Establish Design Class Diagram | 9 | 8 | In Progress |  |  | Hieu Hanh Tran |  |  |
| Revise Project Vision, Risk List and Master Test Plan | 5 | 5 | In Progress |  |  | Hieu Hanh Tran |  |  |
| Revise NFR Specification | 8 | 5 | In Progress |  |  | Arik Maharjan |  |  |
| Implement Search Product Use Case | 10 | 10 | In Progress |  |  | Hieu Hanh Tran  Shirish Maharjan  Arik Maharjan |  |  |
| Establish meeting minutes for week-10 | 6 | 5 | In Progress |  |  | Shirish Maharjan |  |  |
| Update Project Plan, Iteration Plan, Version Control and Risk List | 8 |  | In Progress |  |  | Hieu Hanh Tran |  |  |
| Establish Feedback Document for week-10 | 8 | 5 | In Progress |  |  | Arik Maharjan |  |  |
| Conduct Unit Testing for Search Product Implementation with Documentation | 10 | 10 | Not Started |  |  | Shirish Maharjan  Hieu Hanh Tran  Arik Maharjan |  |  |
| Produce Iteration Assessment | 8 | 5 | Not Started |  |  | Shirish Maharjan |  |  |

## Issues

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
|  |  |  |

## 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.

## Assessment

Will get updated as Iteration is in progress

|  |  |
| --- | --- |
| Assessment target |  |
| Assessment date |  |
| Participants |  |
| Project status |  |

### Assessment against objectives

### Work Items: Planned compared to completed

### Assessment against Evaluation Criteria Test results

### Other concerns and deviations