# ABC’s Inventory Management System

## Assessment

## Key milestones

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Iteration start | 30/07/2018 |
| Establish Iteration Plan | 30/07/2018 |
| Finalize Transfer Product (Send and Accept Product) features | 31/07/2018 |
| Add ‘Add Staff’ resource in server-side application | 31/07/2018 |
| Add ‘Delete Staff’ resource in server-side application | 01/08/2018 |
| Establish Meeting Minutes and feedback document for week-3 | 02/08/2018 |
| Update Project Plan, Version Control and Risk List | 02/08/2018 |
| Merge all branches on git to keep all branches up to date | 02/08/2018 |
| Add ‘Update Staff’ resource in server-side application | 03/08/2018 |
| Add ‘Add Staff’ and ‘Delete Staff’ feature in client-side application | 04/08/2018 |
| Add ‘Update Staff’ code for server-side and client-side application | 06/08/2018 |
| Add hashing algorithms to store passwords | 07/08/2018 |
| Update Project Plan, Iteration Plan, Risk List and Version Control | 08/08/2018 |
| Add server-side and client-side code to check transfer report | 09/08/2018 |
| Finalize Search Product features | 10/08/2018 |
| Discuss UI design and assign UI design tasks | 10/08/2018 |
| Establish Meeting Minutes for week-4 | 10/08/2018 |
| Establish Feedback documents for week-4 | 10/08/2018 |
| Update Project Plan, Iteration Plan, Risk List and Version Control | 11/08/2018 |
| Establish Iteration 2 Assessment | 12/08/2018 |
| Iteration Stop | 12/08/2018 |

## High-level objectives

* Finalize Manage Staff, Generate Report, Transfer Stock and Search Product.
* Plan for UI design and development.
* Finalize synchronization of design documentations and implementation.

## 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 Iteration Plan | 7 | 5 | Completed |  |  | Shirish Maharjan | 1 | 1 |
| Finalize Transfer Product (Send and Accept Product) features | 10 | 10 | Completed |  |  | Hieu Hanh Tran | 6 | 4 |
| Add ‘Add Staff’ resource in server-side application | 10 | 10 | Completed |  |  | Shirish Maharjan | 2 | 1 |
| Add ‘Delete Staff’ resource in server-side application | 10 | 10 | Completed |  |  | Shirish Maharjan | 2 | 1 |
| Establish Meeting Minute and Feedback documents for week-3 | 7 | 5 | Completed |  |  | Arik Maharjan | 1 | 1 |
| Update Project Plan, Version Control and Risk List | 10 | 7 | Completed |  |  | Shirish Maharjan  Hieu Hanh Tran | 3 | 1 |
| Merge all branches on git to keep all branches up to date | 10 | 7 | Completed |  |  | Hieu Hanh Tran  Shirish Maharjan  Arik Maharjan | 2 | 1 |
| Add ‘Update Staff’ resource in server-side application | 10 | 9 | Completed |  |  | Shirish Maharjan | 1 | 1 |
| Add ‘Add Staff’ and ‘Delete Staff’ feature in client-side application | 10 | 10 | Completed |  |  | Shirish Maharjan | 1 | 1 |
| Add ‘Update Staff’ code for server-side and client-side application | 10 | 10 | Completed |  |  | Shirish Maharjan | 1 | 1 |
| Add hashing algorithms to store passwords | 10 | 10 | Completed |  |  | Shirish Maharjan | 1 | 1 |
| Update Project Plan, Iteration Plan, Risk List and Version Control | 7 | 7 | Completed |  |  | Hieu Hanh Tran  Shirish Maharjan | 3 | 1 |
| Add server-side and client-side code to check transfer report | 10 | 10 | Completed |  |  | Hieu Hanh Tran | 4 | 2 |
| Finalize Search Product and Manage Product features | 10 | 10 | Completed |  |  | Hieu Hanh Tran  Shirish Maharjan | 2 | 1 |
| Discuss UI design and assign UI design tasks | 10 | 10 | Completed |  |  | Shirish Maharjan Hieu Hanh Tran | 1 | 0 |
| Establish Meeting Minutes for week-4 | 7 | 7 | Completed |  |  | Arik Maharjan | 1 | 1 |
| Establish Feedback documents for week-4 | 7 | 7 | Completed |  |  | Arik Maharjan | 1 | 1 |
| Update Project Plan, Iteration Plan, Risk List and Version Control | 7 | 7 | Completed |  |  | Hieu Hanh Tran  Shirish Maharjan | 2 | 1 |
| Establish Iteration 2 Assessment | 9 | 9 | Completed |  |  | Shirish Maharjan | 2 | 1 |

## Issues

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| * System may be vulnerable to SQL injection attacks. | Recognized | This issue has been recognized however will only be acted upon once discussed with the sponsor. |

## Evaluation criteria

## Implementation of all use cases.

* Design documentations updated.
* Tasks completed in allocated time.

## Assessment

|  |  |
| --- | --- |
| Assessment target | Basic implementation of all Use Cases |
| Assessment date | 12/08/2018 |
| Participants | Shirish Maharjan, Hieu Hanh Tran, Arik Maharjan |
| Project status | Yellow |

### Assessment against objectives

The following are the list of tasks carried out during Iteration 2 of the construction phase fulfilling the iteration objectives of Iteration 2:

* Add ‘Delete Staff’, ‘Update Staff’ and ‘Add Staff’ code in both client-side and server-side application.
* Add server-side and client-side code to check transfer report.
* Finalize Send and Accept Product features.
* Change client-side code to improve the usability of Search Product.

As seen in the above list, all listed objectives of the iteration were fulfilled in this iteration even though some time allocations had to be updated.

### Work Items: Planned compared to completed

Majority of the tasks assigned initially in this iteration have been completed in due time. Some, time allocations had to be updated because of under anticipation of the task loads. Various bugs which required days of debugging also caused the time allocations to be updated. However, tasks were completed within the allocated time. Tasks related to user authentication however, had to be delayed. Initially, team members agreed upon using hashing and salting mechanisms in both server-side and client-side application to communicate and store passwords. However, due to restriction in time and the feature not being a requirement this decision was revoked. Team members agreed upon using just hashing mechanism in the database itself to store the password. Similarly, team members agreed that the usability of the Search Product use case was very confusing. Therefore, a decision was made to change the usability and design of the Search Product Use case. This meant changing the look and usability of how Manage Product use case too. Therefore, a decision was made to change the UI and usability of Manage Product too. These decisions added extra tasks to the already existing load of tasks. However, these extra tasks were duly allocated in this iteration and Iteration 3.

### Assessment against Evaluation Criteria Test results

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

|  |  |
| --- | --- |
| Evaluation Criteria | Result |
| Implementation of all use cases. | * Implementation of Manage Staff, Search Product, Transfer Product and Generate Report were finalized. Implementation of login/ logout and Manage Product had to be delayed because of the decision of the team to make changes to the usability and password storing mechanism to be used. Finalizing these use cases will be made a priority in Iteration 3. |
| * Design documentations updated. | * Because of the sheer volume of implementation tasks and assessments from other subjects, all design documents could not be updated. However, this task will be addressed in Iteration 3. |
| * Tasks completed in allocated time. | * Most tasks were completed in time. However, tasks related to Finalizing Login/Logout and Manage Product could not be completed because of the decision of the team to change the usability and password storing mechanism to be used. |