First Sprint (28 November 2016 – 11 December 2016)

Sprint Planning Meeting

1. Sprint Goal
   1. Developer: Pua Jen Sen
      1. Implement basic shopping cart function like add and remove
      2. Implement filter by food category feature.
      3. Order page should allow to choose quantity of item to be added to shopping cart
   2. Developer: Swati Kiran a/p Sunil Kumar
      1. Implement basic membership functions such as add member, update member details, search member and delete member.
      2. Customer can register for Basic Membership (6 months) or Premium Membership (1 year)
      3. Develop membership renewal: Where member is allowed to renew after membership has expired.
   3. Developer: Phang Chun Wai
      1. Implement basic manage staff function such as add staff, update staff information, search staff, and delete staff
      2. User can add new record of either Manager or Staff position
   4. Developer: Poh Sek Lee
      1. Implement basic menu management function such as add new menu, update menu and delete menu
2. Sprint backlog –
   1. User Story: As a staff, I will help customer to take their order by using this system
      1. Add Items to Cart
      2. Filter Items by Category
      3. Select quantity of items to add to Cart
      4. Edit Items in Cart
   2. User Story: As a staff, I need to be able to manage customer memberships
      1. Add New Member
      2. Remove Member
      3. Search Member
      4. Update Member Details
      5. Membership Renewal
   3. User Story: As a manager, I would like to manage my staff
      1. Add New Staff
      2. Remove Staff
      3. Update Staff Details
      4. Search for Existing Staff
   4. User Story: As a staff, I will update the menu from time to time
      1. Update new item into the menu
      2. Remove unavailable item from the menu
      3. Search item from menu

Daily Stand-up meetings

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| Date | What did I do yesterday, OR what did I do since the last time we met? | What am I going to do today? | Am I blocked? |
| 28/11/2016 | Phang Chun Wai: Design database table for staff | Phang Chun Wai: Continue creating staff table | Phang Chun Wai: No |
| Poh Sek Lee: Design database table for menu | Poh Sek Lee: Continue creating menu table | Poh Sek Lee: No |
| Pua Jen Sen: Design database table for order | Pua Jen Sen: Continue creating order table | Pua Jen Sen: No |
| Swati Kiran: Design database table for membership | Swati Kiran: Continue creating membership table | Swati Kiran: No |
| 29/11/2016 | Phang Chun Wai: Completed creating staff table | Phang Chun Wai: Design the layout structure for staff registration form | Phang Chun Wai: No |
| Poh Sek Lee: Completed creating menu table | Poh Sek Lee: Finalise menu database table | Poh Sek Lee: No |
| Pua Jen Sen: Completed creating order table | Pua Jen Sen: Finalise order database table | Pua Jen Sen: No |
| Swati Kiran: Completed creating membership table | Swati Kiran: Finalise membership database table | Swati Kiran: No |
| 30/11/2016 | Phang Chun Wai: Done designing the layout structure for staff registration form | Phang Chun Wai: Code features for staff registration (Select Position – Staff, Manager) | Phang Chun Wai: No |
| Poh Sek Lee: Done finalising menu database table | Poh Sek Lee: Developing the Menu layout | Poh Sek Lee: No |
| Pua Jen Sen: Done finalising order database table | Pua Jen Sen: Design Order Page UI | Pua Jen Sen: No |
| Swati Kiran: Done finalising membership database table | Swati Kiran: Design Membership Main Menu UI | Swati Kiran: No |
| 01/12/2016 | Phang Chun Wai: Done coding features for staff registration (Select Position – Staff, Manager) | Phang Chun Wai: Unit testing for staff registration form | Phang Chun Wai: No |
| Poh Sek Lee: Done developing the Menu layout | Poh Sek Lee: Code the search function to retrieve menu items | Poh Sek Lee: No |
| Pua Jen Sen: Done designing Order Page UI | Pua Jen Sen: Do coding for filter items by category | Pua Jen Sen: No |
| Swati Kiran: Done designing Membership Main Menu UI | Swati Kiran: Design Membership Registration UI and Code basic function for membership registration form | Swati Kiran: No |
| 02/12/2016 | Phang Chun Wai: Done unit testing for staff registration form | Phang Chun Wai: Code refactoring for staff registration form | Phang Chun Wai: No |
| Poh Sek Lee: Code the search function to retrieve menu items | Poh Sek Lee: Continue coding the search function to retrieve menu items | Poh Sek Lee: No |
| Pua Jen Sen: Done coding for filter items by category | Pua Jen Sen: Discuss with scrum team about any additional part needed to include inside order | Pua Jen Sen: No |
| Swati Kiran: Code basic function for membership registration form | Swati Kiran: Continue working on basic functions and adding features for membership registration form | Swati Kiran: No |
| 03/12/2016 | Phang Chun Wai: Done coding refactoring for staff registration form | Phang Chun Wai: Validation for staff registration form | Phang Chun Wai: No |
| Poh Sek Lee: Done coding the search function to retrieve menu items | Poh Sek Lee: Carry out Junit testing for menu and do validation and add more feature for retrieve | Poh Sek Lee: No |
| Pua Jen Sen: Done discussing with scrum team about any additional part needed to include inside order | Pua Jen Sen: Carry out Junit testing for order and validation for filter function | Pua Jen Sen: No |
| Swati Kiran: Done working on basic functions and adding features for membership registration form | Swati Kiran: Carry out Junit testing for membership registration form, Validation and testing features of membership registration form, Design Update Member UI, Code the search function to retrieve member details to update member, Code the basic functions for update member form, Carry out Junit testing for update member and Validation and adding feature for update member form | Swati Kiran: No |
| 04/12/2016 | Phang Chun Wai: Done validation for staff registration form | Phang Chun Wai: Final Testing for staff registration form | Phang Chun Wai: No |
| Poh Sek Lee: Done carrying out Junit testing for menu and do validation and add more feature for retrieve | Poh Sek Lee: Design Add menu UI, Code the basic function, Carry out Junit testing, do validation and add more features | Poh Sek Lee: No |
| Pua Jen Sen: Done carrying out Junit testing for order and validation for filter function | Pua Jen Sen: Do coding for selecting quantity of an item to order | Pua Jen Sen: No |
| Swati Kiran: Done carrying out Junit testing for membership registration form, doing validation and testing features for membership registration form and done developing update member function | Swati Kiran: Design Delete Member UI, Code the search function to retrieve member details to delete member, Code the basic functions for delete member form, Carry out Junit testing for delete member, and Validation and testing feature of delete member form | Swati Kiran: No |
| 05/12/2016 | Phang Chun Wai: Done final testing for staff registration form | Phang Chun Wai: Design frame for update and delete staff | Phang Chun Wai: No |
| Poh Sek Lee: Done designing add menu UI, Coding the basic function, Carrying out Junit testing, doing validation and adding more features | Poh Sek Lee: Design Update menu UI | Poh Sek Lee: No |
| Pua Jen Sen: Doing coding for selecting quantity of an item to order | Pua Jen Sen: Continue doing coding for selecting quantity of an item to order | Pua Jen Sen: No |
| Swati Kiran: Done developing delete member function | Swati Kiran: Design Membership Renewal UI | Swati Kiran: No |
| 06/12/2016 | Phang Chun Wai: Done designing frame for update and delete staff | Phang Chun Wai: Set up database connection for update and delete staff | Phang Chun Wai: No |
| Poh Sek Lee: Done designing Update menu UI | Poh Sek Lee: Code basic function for update menu | Poh Sek Lee: No |
| Pua Jen Sen: Done doing coding for selecting quantity of an item to order | Pua Jen Sen: Do coding for adding items to Cart and editing items in Cart and design Error Message For Order Validation | Pua Jen Sen: No |
| Swati Kiran: Done designing Membership Renewal UI | Swati Kiran: Code the search function to retrieve member details to renew membership and Code basic function for membership renewal form | Swati Kiran: No |
| 07/12/2016 | Phang Chun Wai: Done setting up connection for update and delete staff | Phang Chun Wai: Do coding for Retrieval of staff information by searching staff ID for update and delete staff | Phang Chun Wai: No |
| Poh Sek Lee: Done coding basic function for update menu | Poh Sek Lee: Carry out Junit testing for update menu, validation and add more features for update menu | Poh Sek Lee: No |
| Pua Jen Sen: Do coding for adding items to Cart and editing items in Cart and design Error Message For Order Validation | Pua Jen Sen: Make changes to order UI | Pua Jen Sen: No |
| Swati Kiran: Done coding the search function to retrieve member details to renew membership and Code basic function for membership renewal form | Swati Kiran: Code features for membership renewal form (Allow renewal after expiration date) | Swati Kiran: No |
| 08/12/2016 | Phang Chun Wai: Done coding for retrieving staff information by searching staff ID for update and delete staff | Phang Chun Wai: Prepare query for update and delete staff | Phang Chun Wai: No |
| Poh Sek Lee: Done carrying out Junit testing for update menu, doing validation and adding more features for update menu | Poh Sek Lee: Do basic function for search menu | Poh Sek Lee: No |
| Pua Jen Sen: Done making changes to order UI | Pua Jen Sen: Continue coding for adding items to Cart and editing items in Cart | Pua Jen Sen: No |
| Swati Kiran: Done coding features for membership renewal form (Allow renewal after expiration date) | Swati Kiran: Continue coding features for membership renewal form (Allow user to choose type of membership – Basic or Premium) | Swati Kiran: No |
| 09/12/2016 | Phang Chun Wai: Done preparing query for update and delete staff | Phang Chun Wai: Junit Testing for update and delete staff | Phang Chun Wai: No |
| Poh Sek Lee: Done doing basic function for search menu | Poh Sek Lee: Carry out Junit testing for search menu, validation and add more features for search menu | Poh Sek Lee: No |
| Pua Jen Sen: Coding for adding items to Cart and editing items in Cart | Pua Jen Sen: Carry out Junit testing for user order and continue coding for adding items to Cart and editing items in Cart | Pua Jen Sen: No |
| Swati Kiran: Done coding features for membership renewal form (Allow user to choose type of membership – Basic or Premium) | Swati Kiran: Carry out Junit testing for membership renewal | Swati Kiran: No |
| 10/12/2016 | Phang Chun Wai: Done doing Junit Testing for update and delete staff | Phang Chun Wai: Code refactoring for update and delete staff | Phang Chun Wai: No |
| Poh Sek Lee: Done carrying out Junit testing for search menu, doing validation and adding more features for search menu | Poh Sek Lee: Design delete menu UI and code basic functions for delete menu | Poh Sek Lee: No |
| Pua Jen Sen: Coding for adding items to Cart and editing items in Cart and done carrying out Junit testing for user order | Pua Jen Sen: Continue coding for adding items to Cart and editing items in Cart and continue testing validation and features testing for order form | Pua Jen Sen:No |
| Swati Kiran: Done carrying out Junit testing for membership renewal | Swati Kiran: Do Validation and adding features for membership renewal form, Continue testing validation and features of membership registration and update member | Swati Kiran: No |
| 11/12/2016 | Phang Chun Wai: Done coding refactoring for update and delete staff | Phang Chun Wai: Final testing for update and delete staff | Phang Chun Wai: No |
| Poh Sek Lee: Done designing delete menu UI and coding basic functions for delete menu | Poh Sek Lee: Carry out Junit testing, validation and final testing for menu | Poh Sek Lee: No |
| Pua Jen Sen: Done coding for adding items to Cart and editing items in Cart and done testing validation and features testing for order form | Pua Jen Sen: Final testing for order | Pua Jen Sen: No |
| Swati Kiran: Done doing Validation and adding features for membership renewal form, testing validation and features of membership registration and update member | Swati Kiran: Continue testing validation and features of search member and delete member | Swati Kiran: No |

Sprint Review Meeting

* On Sunday, 11th December, our scrum team presented what had been accomplished in 2 weeks to customer:

All the sprint goals and tasks were completed. When scrum team presented the McDonalds desktop application with the order, staff management, menu management and membership management, it showed that all required tasks were done, and there were no partially done work.

Sprint Retrospective

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| Start Doing | Stop Doing | Continue Doing |
| 1. Being on time for daily standups | 1. Taking more than 15 minutes for daily scrum meetings | 1. Finishing one story before starting the next |

Second Sprint (12 December 2016 – 25 December 2016)

Sprint Planning Meeting

1. Sprint Goal
   1. Developer: Phang Chun Wai
      1. Implement basic login functions with using ID and password
      2. Implement trial feature for login (3 chances to login)
   2. Developer: Swati Kiran a/p Sunil Kumar
      1. Allow user to use membership points to redeem items
   3. Developer: Poh Sek Lee
      1. Implement basic manage redeemable items function such as add, update and delete redeemable items
   4. Developer: Pua Jen Sen
      1. Implement basic payment functions display amount needed to pay
      2. Develop payment function with options to pay with cash or debit card or credit card
      3. Provide valid member ID with discount
2. Sprint backlog –
   1. User Story: Staff can login to system using ID and password
      1. Allow Login Trial 3 Times
   2. User Story: As a customer, I would like to use my points to redeem items
   3. User Story: As a staff, I would like to manage redeemable items
      1. Add New Redeem Item
      2. Update Redeem Item Details
      3. Remove a Redeem Item
   4. User Story: As a staff, I will update the menu from time to time
      1. Provide Discount for Members

Daily Stand-up meetings

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| --- | --- | --- | --- |
| Date | What did I do yesterday, OR what did I do since the last time we met? | What am I going to do today? | Am I blocked? |
| 12/12/2016 | Phang Chun Wai: Done final testing for update and delete staff | Phang Chun Wai: Create UI for login page | Phang Chun Wai: No |
| Poh Sek Lee: Done carrying out Junit testing, validation and final testing for menu | Poh Sek Lee: Create manage redeem item database | Poh Sek Lee: No |
| Pua Jen Sen: Done doing final testing for order | Pua Jen Sen: Create Payment database table | Pua Jen Sen: No |
| Swati Kiran: Done testing validation and features of search member and delete member | Swati Kiran: Create Redeem database table | Swati Kiran: No |
| 13/12/2016 | Phang Chun Wai:  Done creating UI for login page | Phang Chun Wai: Compare the given user ID and password in database | Phang Chun Wai: No |
| Poh Sek Lee: Create manage redeem item database | Poh Sek Lee: Complete the redeem item database table | Poh Sek Lee: No |
| Pua Jen Sen: Done creating Payment database table | Pua Jen Sen: Enter sample data for payment table & start drawing simple UI design for payment | Pua Jen Sen: No |
| Swati Kiran: Done creating Redeem database table | Swati Kiran: Finalise redeem database table | Swati Kiran: No |
| 14/12/2016 | Phang Chun Wai:  Compare the given user ID and password in database | Phang Chun Wai: Continue comparing ID and password with given input | Phang Chun Wai: No |
| Poh Sek Lee: Done completing the redeem item database table | Poh Sek Lee: Developing the update and delete redeem item layout and code the basic function for update and delete redeem item | Poh Sek Lee: No |
| Pua Jen Sen: Done entering sample data for payment table & drawing simple UI design for payment | Pua Jen Sen: Design Payment form UI | Pua Jen Sen: No |
| Swati Kiran: Done finalizing redeem database table | Swati Kiran: Design Redeem form UI | Swati Kiran: No |
| 15/12/2016 | Phang Chun Wai: Comparing ID and password with given input | Phang Chun Wai: Junit testing for login | Phang Chun Wai: No |
| Poh Sek Lee: Done developing the update and delete redeem item layout and code the basic function for update and delete redeem item | Poh Sek Lee: Design Add redeem item UI | Poh Sek Lee: No |
| Pua Jen Sen: Done designing Payment form UI | Pua Jen Sen: Code basic function for payment form(Allow payment with cash or card) | Pua Jen Sen: No |
| Swati Kiran: Done designing Redeem form UI | Swati Kiran: Code basic function for Redeem form | Swati Kiran: No |
| 16/12/2016 | Phang Chun Wai: Done Junit testing for login | Phang Chun Wai: Discussion with team members about login | Phang Chun Wai: No |
| Poh Sek Lee: Done designing Add redeem item UI | Poh Sek Lee: Code the basic function for add redeem item | Poh Sek Lee: No |
| Pua Jen Sen: Coding basic function for payment form(Allow payment with cash or card) | Pua Jen Sen: Continue coding for payment function( Allow payment with cash or card ) and discuss with teammates with our own progress | Pua Jen Sen: No |
| Swati Kiran: Code basic function for Redeem form | Swati Kiran: Continue working on basic functions for Redeem form | Swati Kiran: No |
| 17/12/2016 | Phang Chun Wai: Finish discussion with team members about login | Phang Chun Wai: Validation for login(3 login tries) | Phang Chun Wai: No |
| Poh Sek Lee: Done coding for payment function( Allow payment with cash or card ) and discuss with teammates with our own progress | Poh Sek Lee: Carry out Junit testing for update and delete redeem item | Poh Sek Lee: No |
| Pua Jen Sen: Done coding for payment function( Allow payment with cash or card ) and discuss with teammates with our own progress | Pua Jen Sen: Carry out Junit testing for payment form | Pua Jen Sen: No |
| Swati Kiran: Done working on basic functions for Redeem form | Swati Kiran: Carry out Junit testing for redeem form | Swati Kiran: No |
| 18/12/2016 | Phang Chun Wai: Validation for login(3 login tries) | Phang Chun Wai: Continue doing validation for login (3 login tries) | Phang Chun Wai: No |
| Poh Sek Lee: Done carrying out Junit testing for update and delete redeem item | Poh Sek Lee: Carry out Junit testing for add redeem item | Poh Sek Lee: No |
| Pua Jen Sen: Done carrying out Junit testing for payment form | Pua Jen Sen: Testing validation for payment function | Pua Jen Sen: No |
| Swati Kiran: Done carrying out Junit testing for redeem form | Swati Kiran: Validation and adding features for redeem form | Swati Kiran: No |
| 19/12/2016 | Phang Chun Wai: Doing validation for login (3 login tries) | Phang Chun Wai: Continue validation for login(3 login tries) | Phang Chun Wai: No |
| Poh Sek Lee: Done carrying out Junit testing for add redeem item | Poh Sek Lee: Validation and add more features for update and delete redeem item | Poh Sek Lee: No |
| Pua Jen Sen: Done testing validation for payment function | Pua Jen Sen: Continue coding for payment function(Membership discount) | Pua Jen Sen: No |
| Swati Kiran: Validation and adding features for redeem form | Swati Kiran: Continue adding features and validations for redeem form | Swati Kiran: No |
| 20/12/2016 | Phang Chun Wai: Done doing validation for login(3 login tries) | Phang Chun Wai: Final Testing for login | Phang Chun Wai: No |
| Poh Sek Lee: Do validation and add more features for update and delete redeem item | Poh Sek Lee: Validation and add more features for add redeem item | Poh Sek Lee: No |
| Pua Jen Sen: Coding for payment function (Membership discount) | Pua Jen Sen: Continue coding for payment function(Membership discount) | Pua Jen Sen: No |
| Swati Kiran: Done adding features and validations for redeem form | Swati Kiran: Continue testing validations and features of redeem form | Swati Kiran: No |
| 21/12/2016 | Phang Chun Wai: Done doing final Testing for login | Phang Chun Wai: Make changes to staff registration UI | Phang Chun Wai: No |
| Poh Sek Lee: Done validation and add more features for add redeem item | Poh Sek Lee: Discuss with teammates regarding manage redeem item | Poh Sek Lee: No |
| Pua Jen Sen: Coding for payment function (Membership discount) | Pua Jen Sen: Junit Testing for payment function | Pua Jen Sen: No |
| Swati Kiran: Done testing validations and features of redeem form | Swati Kiran: Make changes to initial Membership main menu | Swati Kiran: No |
| 22/12/2016 | Phang Chun Wai: Done making changes to staff registration UI | Phang Chun Wai: Make changes to login UI | Phang Chun Wai: No |
| Poh Sek Lee: Done discussing with teammates regarding manage redeem item | Poh Sek Lee: Make changes to Add and Update menu UI and function | Poh Sek Lee: No |
| Pua Jen Sen: Done Junit Testing for payment function | Pua Jen Sen: Checking error in payment function | Pua Jen Sen: No |
| Swati Kiran: Done making changes to initial Membership main menu | Swati Kiran: Discuss with group members regarding redeem form | Swati Kiran: No |
| 23/12/2016 | Phang Chun Wai: Done making changes to staff registration UI | Phang Chun Wai: Make changes to Maintain staff form UI | Phang Chun Wai: No |
| Poh Sek Lee: Done making changes to Add and Update menu UI and function | Poh Sek Lee: Make changes to Delete menu UI and function | Poh Sek Lee: No |
| Pua Jen Sen: Done checking error in payment function | Pua Jen Sen: Continue coding for payment function(Membership discount) | Pua Jen Sen: No |
| Swati Kiran: Done discussing with group members regarding redeem form | Swati Kiran: Make changes to membership registration UI | Swati Kiran: No |
| 24/12/2016 | Phang Chun Wai: Done making changes to Maintain staff form UI | Phang Chun Wai: Design UI for McDonalds homepage | Phang Chun Wai: No |
| Poh Sek Lee: Done making changes to Delete menu UI and function | Poh Sek Lee: Make changes to add redeem item UI and function | Poh Sek Lee: No |
| Pua Jen Sen: Coding for payment function (Membership discount) | Pua Jen Sen: Integrate the order function with payment and re-run whole order and payment function | Pua Jen Sen: No |
| Swati Kiran: Done making changes to membership registration UI | Swati Kiran: Make changes to update and delete member UI | Swati Kiran: No |
| 25/12/2016 | Phang Chun Wai: Done designing UI for McDonalds homepage | Phang Chun Wai: Integrate the modules and test the flow of integrated modules | Phang Chun Wai: No |
| Poh Sek Lee: Done making changes to add redeem item UI and function | Poh Sek Lee: Check all the program is run without any problem | Poh Sek Lee: No |
| Pua Jen Sen: Done integrating the order function with payment and re-run whole order and payment function | Pua Jen Sen: Make changes to error found in both functions | Pua Jen Sen: No |
| Swati Kiran: Done making changes to update and delete member UI | Swati Kiran: Make changes to membership renewal UI | Swati Kiran: No |

Sprint Review Meeting

* On Sunday, 25th December, our scrum team presented what had been accomplished in 2 weeks to customer:

All the sprint goals and tasks were completed. When scrum team presented the McDonalds desktop application with the login, payment, redeemable items Management and redeem, it showed that all required tasks were done, and there were no partially done work.

Sprint Retrospective

|  |  |  |
| --- | --- | --- |
| Start Doing | Stop Doing | Continue Doing |
| 1. Checking in code without being sure all tests will pass | 1. Taking more than 15 minutes for daily scrum meetings | 1. Finishing one story before starting the next |