Activity log

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| Daily Activity Log (week 6) | | | | | |
| Date of Entry | **Problems, action, event or comment** | **Developer’s name** | **User story in PivotalTracker** | **Target Date** | **Results** |
| 14/11/2016  (Monday) | Started research on appropriate topic and discuss about the type of system should be implemented into this agile assignment | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | To come out with a system plan by 15/11/2016 | All the team members having rough idea on how the system will be like. |
| 15/11/2016  (Tuesday) | All member having similar thought on how the system should be and allowed to vote for the system that all member agree on. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | A finalised idea have been decided. The system will be an online Art Gallery shopping system. |
| 16/11/2016  (Wednesday) | Introduction to pivotal tracker. All members are now required to learn and familiarise with the operation of pivotal tracker. Before that, all members have to register a pivotal tracker account. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | To familiarise with the operation of pivotal tracker by 18/11/2016 | All the team members are now registered with a pivotal tracker account |
| 17/11/2016  (Thursday) | Development team is conducting a meeting with customer representatives to discover what user requirements to be included into the system. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | A draft for the user requirements has been made. |
| 18/11/2016  (Friday) | Communication issues: Development team members not always able to attend face to face discussion due to personal issues. Team members now need to establish a new way to communicate with each other anywhere, anytime without any issues. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | The team agreed on using Facebook messengers and Whatsapp to communicate when not met. Any documentation will be uploaded to Google drive so that all members able to share the documentation. |
| 19/11/2016  (Saturday) | Convert the user stories obtained earlier into system requirements. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | The system requirements are now obtained. |
| 20/11/2016  (Sunday) | Started to add user stories into Pivotal tracker. All members are required to add in user stories that they have discovered earlier. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 10 unverified user stories added in pivotal tracker | Assign the priority and usability to each user story by 23/11/2016 | 10 user stories added to the pivotal tracker. |

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| Daily Activity Log(week 7) | | | | | |
| Date of Entry | **Problems, action, event or comment** | **Developer’s name** | **User story in PivotalTracker** | **Target Date** | **Results** |
| 21/11/2016  (Monday) | System behaviour research: All team members are required to browse, search and observe other similar online shopping websites. This can enable teammates to know better what they are going to develop and have a brief idea on the usability of user stories. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | A brief idea on the upcoming system is now obtained. All the user stories are now reviewed to match the system. |
| 22/11/2016  (Tuesday) | Double check the user stories that inserted into pivotal tracker earlier to match the Online art gallery shopping system. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | The 32 user stories are updated | none | All the current user stories have been updated. |
| 23/11/2016  (Wednesday) | Decide the priority of each user story. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | User stories are assigned with priorities. This will enable Development team to emphasize on what module to be done first. |
| 24/11/2016  (Thursday) | Discuss which type of programming language is suitable for the system. Define all the pros and cons of every language and choose an appropriate language for the system. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | Must decide language to be used by 25/11/2016 | No achievement. |
| 25/11/2016  (Friday) | Every team members are required to express and propose the programming language of his choice and vote for the chosen language | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | All members agreed on using Visual Programming (C#) to develop the project. |
| 26/11/2016  (Saturday) | Introduction on GitHub: All team members are required to understand and familiarise with the operation of GitHub. All members are required to register a GitHub account as well. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | All members are registered with a GitHub account and familiar with operation of GitHub. |
| 27/11/2016  (Sunday) | Discussion on how to hook pivotal tracker with GitHub | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | The project in pivotal tracker is now hooked with GitHub |

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| Daily Activity Log (week 8) | | | | | |
| Date of Entry | **Problems, action, event or comment** | **Developer’s name** | **User story in PivotalTracker** | **Target Date** | **Results** |
| 28/11/2016  (Monday) | Review the system requirements: Modularise the system requirements for easier and incremental development later. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | System requirements divided into 5 sub-modules:   * Log in * Add to cart * Add new gallery * Registration * payment |
| 29/11/2016  (Tuesday) | Construct modelling for the sub-modules. The flows of the modules will be drafted by using flowchart technique. | Benjamin Ho, Lim Boon Seng | none | none | Flowchart for all the 5 sub-modules have been drafted. |
| 30/11/2016  (Wednesday) | The Flowcharts for sub-modules are further elaborate with the use of Pseudocode and Structured English to makes the flows more understandable. | Benjamin Ho, Lim Boon Seng, Chan Kah Chen | none | none | A complete flow of all the sub-modules have been drafted. |
| 01/12/2016  (Thursday) | Familiarise with CI (continuous integration): All members are required to understand the concept of CI and how does it help in the project. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | All team members are now familiarise with the concept of CI. |
| 02/12/2016  (Friday) | Familiarise with unit testing: 2 of the member required to recap on how to do unit testing for the accurate result to be produced. | Chan Kah Chen, Lai Wei Chun | none | none | The team is familiar with the procedure of unit testing. |
| 03/12/2016  (Saturday) | Review the core business rule and decide which database is essential to use for every sub-modules. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | All the essential database must be done on 9/12/2016 | A draft of databases needed for the system have been created. |
| 04/12/2016  (Sunday) | Decide which modules required to implemented with database, and their linkage between each other, etc which two modules will be sharing a database. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | All the five modules have to link with database, and the Login module is sharing a database with Registration module. |

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| Daily Activity Log( week 9) | | | | | |
| Date of Entry | **Problems, action, event or comment** | **Developer’s name** | **User story in PivotalTracker** | **Target Date** | **Results** |
| 05/12/2016  (Monday) | Discussion on the relationship of database among all the modules. The relationship was defined with using the Entity Relationship Design (ERD) technique. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | The flow of database for the whole system is now well defined. |
| 06/12/2016  (Tuesday) | Create some database that require for the project. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | Working on develop database |
| 07/12/2016  (Wednesday) | Continue creating database.  Discuss the field for each table in the database. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | Working on develop database |
| 08/12/2016  (Thursday) | Error checking: Compile all the database together and debug to see if any error existed. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | All the database compiled and undergoes debugging |
| 09/12/2016  (Friday) | Finalise the database creating process, making sure the database is free of error. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | All the essential Database for the system are successfully created. |
| 10/12/2016  (Saturday) | Discussion between customer and development team to choose an appropriate deadline for the software to be completely developed. | Lai Wei Chun, Benjamin Ho | none | Start sprint on  : 12/12/2016  End Sprint on: 25/12/2016 | The development team and customer decided to develop the whole system within 2 sprint, which the sprint cycle will start on 12/12/2016 |
| 11/12/2016  (Sunday) | Preparation Checking: All team members are required to recap the flow of the modules, and prepare for the sprint cycle. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | none | none | The development team are ready to initiate the first sprint cycle. |

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| Daily Activity Log( week 10) – Iteration 1 (Scrum master : Wei Chun) | | | | | |
| Date of Entry | **Problems, action, event or comment** | **Developer’s name** | **User story in PivotalTracker** | **Target Date** | **Results** |
| 12/12/2016  (Monday) | Discuss the module which need to develop at the first iteration which is menu page, product page, login, registration, and change password module and who in charge. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 1,2,3,4,5 (refer to user stories) | All the user stories must be done within 1week and end before 19/12/2016 | Module:   * menu, product, about , contact page ( **KC design**) * registration module (**boon seng**) * login module(**Benjamin**) * change password ( **wei chun**) |
| 13/12/2016  (Tuesday) | Discuss about the colour that should be used to design the web page. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 1,2,3,4,5 (refer to user stories) | none | Kah Cheng will use black and white for the background with orange colour category tab to design the webpage.  Boon Seng done with the layout for registration and doing the validation for security purpose.  Benjamin and Wei Chun thinking the way to do the login module and change password. |
| 14/12/2016  (Wednesday) | Discuss how to apply same design of one page to other. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 1,2,3,4,5 (refer to user stories) | none | Kar Chen done design the webpage for product, homepage and contact page and now he will create a master page with the basic design and link other page to it.  Boon Seng done with the validation for the registration part and now mainly focus on store the user account detail to the database.  Benjamin and Wei Chun mainly focus on design of the login module layout and change password. |
| 15/12/2016  (Thursday) | Discuss how to store data that user key in the registration module to the database since boon seng don’t know how to store the information to the database.  Discuss the action after user successfully created the account. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 1,2,3,4,5 (refer to user stories) | none | Boon seng will write query code for the registration module to link it with the field and the textbox.  The user will directly log in to the account when they successfully create it.  Benjamin working on the validation for user login.  Kah Cheng done with all the design and now retrieve the data from the product table into the menu page in grid view.  Wei Chun done with the design of the change password layout and now doing the validation. |
| 16/12/2016  (Friday) | All the design of the web pages and the registration module has completed.  **Upload Web page design code**  **Upload Registration module code**  Benjamin met problem in validate user login.  Discuss how to do log in module. | **Kar Chen**  **Boon Seng**  Chan Kah Chen, Lim Boon Seng, Benjamin Ho, Lai Wei Chun | Completed  1,2,3,4(refer to user stories)  **1,2,3(web page design)**  **4 (registration)** | none | Kar Chen and Boon Seng finished web pages and registration module uploaded.  Need to validate the user input username and the password with database. Only login when match with the record. |
| 17/12/2016  (Saturday) | Login module has completed.  **Upload Login module code**  Discuss how to do the change password function | **Benjamin** | Completed  4 (refer to user stories)  **4 (login)** | none | Benjamin done with the login module and uploaded.  Need to write code that get the user id of the current password and replace it with new password. |
| 18/12/2016  (Sunday) | Change password function completed  **Upload change password function code**  Discuss the module that need to develop in the second iteration. | **Lai Wei Chun**  Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | Completed  5 (refer to user stories)  **5 (change password function)** | none | Change password function added to the project.  The task for second iteration is :   * staff function(add new gallery and delete it) **Wei chun** * add to cart (**Kar chen)** * payment **(boon seng)** * validation for payment( **Benjamin)** |

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| Daily Activity Log( week 11) – Iteration 2 (Scrum master : Wei Chun) | | | | | |
| Date of Entry | **Problems, action, event or comment** | **Developer’s name** | **User story in PivotalTracker** | **Target Date** | **Results** |
| 19/12/2016  (Monday) | Discuss what to add in to add to cart function and the payment function. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 6,7,8,9,10(refer to user stories) | All the user stories must be done within 1week and end before 26/12/2016 | Kah Chen will add delete and display the total price on add to cart function.  Boon Seng and benjamin will doing the payment function need to include text box such as name, address, payment type and total payment amount.  Wei Chun will focus on deleting and adding function of the admin function. |
| 20/12/2016  (Tuesday) | Discuss the validation for the payment type (master and visa). | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 6,7,8,9,10(refer to user stories) | none | Bnejamin will use IF-Else case for the validation for the visa card the number must start with 4 and master card must start with 5.  Boon Seng writing code done for displaying the total price of the cart item in the payment page.  Kah Cheng done with add to cart function design and design  Wei Chun done with the design for delete and add gallery layout and working on the backend code. |
| 21/12/2016  (Wednesday) | Discuss how to let admin add or delete function on the website and deny other user from using this function. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 6,7,8,9,10(refer to user stories) | none | Wei Chun will set the authentication and authorization of the webpage. Only login with admin account that can use admin function.  Boon Seng done with the code for display the total price and now design the web page that display when user successful made payment.  Benjamin done with payment type validation and doing the validation part for the name, address.  Kah Chen still working on add to cart coding. |
| 22/12/2016  (Thursday) | Discuss how to display the gallery to add to cart function. | Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | 6,7,8,9,10(refer to user stories) | none | Kah Cheng will write code when the user press add to cart button of the gallery to retrieve the data from it and display on the grid view which able to delete it. The sub price for each galley and total price will display on the webpage too.  Wei Chun done with delete gallery function for the website and now doing the add new gallery.  Boon Seng done with all the payment function needed and helping Benjamin doing the validation for the left field. |
| 23/12/2016  (Friday) | Add to cart function and payment function (design and flow) completed.  **Upload add to cart code**  **Upload payment code**    Discuss how to do add new gallery to the website. | **Kar Chen**  **Boon Seng** | Completed  6,7,8,9  **6,7 (add to cart and delete)**  **8,9 (design and flow)** | none | Kah Chen and Boon Seng completed the add to cart function and payment function (design and flow) uploaded.  Wei Chun will create code that allow what format of image that can upload and add it to the image path of the database with the description.  Benjamin done the validation and do final checking. |
| 24/12/2016  (Saturday) | Validation for payment module completed.  **Upload payment module validation code**  Finalize the system of the user part. | **Benjamin Ho** | Completed  6,7,8,9  **8( validation or payment module field)** | none | Benjamin completed the payment module validation and uploaded. |
| 25/12/2016  (Sunday) | Admin function completed.  **Upload admin function code**  Finalize the user part and admin part and came out with completed website. Perform unit testing for system.  Discuss on the activity log and do it. | **Lai Wei Chun**  Chan Kah Chen, Benjamin Ho, Lai Wei Chun, Lim Boon Seng | Completed  6,7,8,9,10  **10 ( Admin function – add new gallery and delete)** | none | Wei Chun complete the admin function and uploaded.  Working on activity log and unit testing. |