**Wire Frames**

For   
**SHOP HOUSE APPLICATION**

Prepared by:  
SER041

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| **Group No:** | SER041 | | | |
| **Brief description of the project** | **This is an E-trading project. This Application is a web base application. This Application was developed using the MERN stack. Mongo db to store data. Node js + Express as the framework for back-end development. React for the front end. This project is version control using git hub and project timeline managed by using the Azure platform. lastly, the project testing is done using the Junit test.**  **This Application work as a client application as well as an admin application. There are three main users, Admin / Trader / Client. According to the users' application behavior will be changed accordingly. Below is the process of this Application. (ref – 1.0 application flow)**  **The main goals of this application are,**   * **Centralized the traders in one platform.** * **So centralizing the traders give a better experience to the online customers, so that customer never wants to go and find their needs on a different platform.** * **This platform manages all the traders, selling, and customers in one environment so that in the future using these data to predict the outcome of the coming years. and according to these results make the productivity of traders better and smarter**   **Diagram  Description automatically generated**  **1.0 Application Flow** | | | |
| **INDIVIDUAL DETAILS OF GROUP MEMBERS** | | | | | |
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| **Student Name** | **Gamage B.G.J** | | | |
| **Function(s)**  **Note**: Include the functions required to complete for both **sprint 1** & **sprint 2** | **Sprint 1**   * Sign-in * Sign-up * User List * User Create * User Update * User View * User Delete   **Sprint 2**   * Payment List * Payment View * Payment Invoice * Payment Portal * Payment Create | | | |
|  | **Picture of interface 1** | | **Brief description of interface 1** | |
|  | | **Purpose**:  This Ui will be used to Sign in to the system  **Flow**:   * Initially Navigate to the login screen * Then Add user credentials * Click the “login” button.   **Good practices**:   * This UI focus on the user authentication part of the application. * It is designed to user friendlies. * By only using two data fields it will authenticate the user * For preventing bot attacks it uses the recapture method provided by Google. | |
| **Picture of interface 2** | | **Brief description of interface 2** | |
|  | | **Purpose**:  This Ui will be used to Sign up users into the system  **Flow**:   * Initially Navigate to the registration screen * Then fill in the required fields.   (if the user = customer)   * If the user wants to sign up as a “Customer”, he or she can click the “Register button” * Then it will provide email confirmation through user add email.   (if the user = trader)   * If the user wants to sign up as a trader he or she has to check the “Request for trader”, check box. * Then the form will be extended and the user has to fill the required fields in the form. * Then the user can **“Request”** to sign up as a trader. * Finally, the trader will get a confirmation email through the given email. * Then he or she can log in as a trader.   **Good practices**:   * As mentioned in the project description there are three uses for this application. (Admin / Trader / Customer) * Admin will be given static login credentials. * So this screen will mainly be focusing on customers and traders. * According to the project scenario, customers can access the application as soon as they sign up using this form but the traders only can **Request to** sign up because the trader creation will be done by the admin side. * A trader has to wait some time until the admin checks the details and confirms the user as a trader. * Sign-up will be confirmed using email verifications. | |
| **Picture of interface 3** | | **Brief description of interface 3** | |
|  | | **Purpose**:  This Ui will be used to view the users in the system.  **Flow**:   * Initially Navigate to the login screen * Then sign in as an admin. * Then navigate to user management.   **Good practices**:   * This UI is only visible to the admin * All the users can be viewed using this table. * Using this UI admin can handle any process of the users. * User creation, update, delete * In the table, the admin can search and filter for any users by their name, email, and contact no. * For the users, there is a “user type” and “user states” column by reviewing these columns the admin can identify the separate user types (trader, customer). * By reviewing the states column and can view trader requests and confirm these traders. | |
| **Picture of interface 4** | | **Brief description of interface 4** | |
|  | | **Purpose**:  This Ui will be used to create users by the administrator.  **Flow**:   * Initially Navigate to the login screen * Then sign in as an admin. * Then navigate to user management. * Then click create a button on the user list screen. * Then u will arrive at the user-create screen * Then select the user type of the user. * Then fill the required fields * Finally, click “Create”.   **Good practices**:   * This UI focus on the user creation part of the application. * By using this form the administrate can create the users. (Customer, Trader, Admin) * Select fields are given to select the user type rather than typing the user type. * The form is validated. * If the administrator chooses the type “Trader” the form will be expanded and have to fill the required fields for the trader. | |
| **Sprint 2** | **Picture of the interface\_5** | | **Brief description of interface\_5** | |
|  | | **Purpose**:  This Ui will be used to update the user details accordingly.  **Flow**:   * Initially Navigate to the login screen * Then sign in as an admin. * Then navigate to user management. * Then click the update button respectively according to the user list screen. * Then u will arrive at the user-update screen * Then the administrate can update the user details accordingly. * Finally, click “Update”.   **Good practices**:   * This UI focus on the user updates part of the application. * By using this form the administrate can update the users. (Customer, Trader, Admin) * Although the Administrator can update the details of the user, some of the user details can not be updated example: userId, and email. * The form is validated according to the requirements. * By using this update option administration can approve trader requests and deactivate users. | |
| **Picture of the interface\_6** | | **Brief description of interface\_6** | |
|  | | **Purpose**:  This Ui will be used to view the user transaction in the system.  **Flow**:   * Initially Navigate to the login screen * Then sign in as an admin or trader. * Then navigate to payment management.   **Good practices**:   * Admins can view all the users' transactions but the trader can view only his products' transactions. * All the transactions can be viewed using this UI. * Using this UI admin can handle any process of the transactions but the trader can only view the transactions. * In the table, the admin/trader can search and filter for any transaction by their transaction Id, reference id, and transaction date. * For the transactions, there is a “transaction type” and “transaction states” columns. by reviewing these columns the admin/trader can identify the separate transaction types (card payment/ mobile payment). | |
| **Picture of the interface\_7** | | **Brief description of interface\_7** | |
|  | | **Purpose**:  This Ui will be used to view the transaction in a more detailed manner, (one by one) in the system.  **Flow**:   * Initially Navigate to the login screen * Then sign in as an admin or trader. * Then navigate to payment management. * Then click the “view transaction” button on the action column.   **Good practices**:   * Admins can view the users' transactions but the trader can view only his products' transactions. * the transactions can be viewed more detailed manner by using this UI. * Using this UI admin can handle any process of the transactions but the trader can only view the transactions. * In the table, the admin/trader can search and filter for any transaction by their transaction Id, reference id, and transaction date. | |
| **Picture of the interface\_8** | | **Brief description of interface\_8** | |
|  | | **Purpose**:  This Ui will be used to view the Payment Invoice of the customer.  **Flow**:   * Initially Navigate to the login screen * Then sign in as a customer * (option -01) * Then navigate to payment management. * (option -02) * Then choose some items and add them to the cart * Then proceed to payment. * It will show a view of the existing invoice   **Good practices**:   * Customers can view a detailed report of the payment he or they have to do. * The payment invoice can be downloaded as a PDF * It will show the items in a table manner | |
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| **Student Name** | | **Ranaweera R M S H** | | |
| **Function(s)**  **Note**: Include the functions required to complete for both **Sprint 1**  & **Sprint 2** | | **Sprint 1**   * View all the products by category vise * Add Products to each products list * Add products to the cart * Calculate the Total price of products in the cart   **Sprint 2**   * Delete products from the cart * Update products in the cart * Add Delivery information * Generate Weekly/Monthly sales report | | |
| **Sprint 1** | | **Picture of interface 1** | | **Brief description of interface 1** |
| Graphical user interface  Description automatically generated | | **Purpose**: This Interface will show all the products and Price s of each product in the store  **Flow**: First, the user needs to select the Shop Management tab from the sidebar. Then user needs to select the what type of category need to view products for the sidebar, then it will be navigated to the Products page. On this page, the user has the privilege to view all the products with images and prices per quantity.  **Good practices**:   * All the products are categorized and displayed with images. So, buyer can find the products easily. * Align all the products category to one side(left) will be increase the readability. |
| **Picture of interface 2** | | **Brief description of interface 2** |
| Graphical user interface  Description automatically generated | | **Purpose**: This Interface will show all the products and Price s of each product in the store and add to cart function.  **Flow**: User need to click **“Products List”** tab above and select the products category you want to view. Then select the category for view the products. Select increase or decrease button to change quantity. Then select **“Add To Cart”** button to add products to the cart.  **Good practices**:   * All the products are categorized and displayed. So, buyer can find the products easily. * Using increase (plus) button and decrease (minus) button , it’s easy to change quantity. * Using checkbox it’s easy to select multiple products at once. * Popup cart icon will show how many products has been added to cart. * User can search the products by searching bar. * View more products per time by using pagination. |
| **Picture of interface 3** | | **Brief description of interface 3** |
| Graphical user interface  Description automatically generated | | **Purpose**: This Interface will show all cart items.  **Flow**: User need to click **“Cart”** tab above. Then buyer can view the all products have been added to cart. Using **“Close”** button buyer can delete products from the cart. Select increase or decrease button to change quantity and click **“update cart”** button to calculate Total amount in the cart. Using **“Keep Shopping”** link buyer can continue shopping and can go to product page again. Using **“checkout”** button Buyer can go to Delivery info page to fill the delivery details and checkout the cart items.  **Good practices**:   * Using increase (plus) button and decrease (minus) button , it’s easy to change quantity. |
|  | | * Using close button can easily delete products from the cart. * Using **update** **cart** icon buyer can easily update the cart as per quantity change and automatically calculate total cost will be easy find the total amount to pay. * Using checkbox it’s easy to select multiple products to delete at once. * Using **Keep Shopping** icon will be easy to navigate to the products page to add more products to the cart. * Ask a confirmation from the buyer when the buyer click Checkout button to confirm buyer need more to shop or not. |
| **Picture of interface 4** | | **Brief description of interface 4** |
| **Graphical user interface, text, application, email  Description automatically generated** | | **Purpose**: Add Delivery information to deliver products to Buyer.  **Flow**: After clicking **“Checkout”** button in the above page buyer will be redirect to the **“Delivery Info”** page to fill all the delivery information. Click the checkbox if you need to save information for next time checkout. Need to fill all the information correctly and will be validate each text field. Click Pay button to continue to payment for product items.  **Good practices**:   * Need to fill all the text fields and will be validate through pop up message to help buyers who input data that is not valid. * Using checkbox to save information for next time will be help to buyer from time consuming. * Order Type will be help buyers to send the items as a gift or a normal package. |
| **Sprint 2** | | **Picture of the interface\_5** | | **Brief description of interface\_5** |
| Graphical user interface  Description automatically generated | | **Purpose**: Generate report to summarizes a business's sales activities.  **Flow**: First Admin need to log in to the application by using his credential. Click **Shopmanagement** tab and should click **FinalReport** tab from above selection tabs. Add custom range of date and click **“generate”** button to generate Sales Report to get summarizes a business's sales activities.  **Good practices**:   * Adding custom range to date it’s easy to admin to generate report for specific period and it’s easy to summarize data to a selected time of period. * Use data pickers for filters instead of typing the dates. * Display the dates that reports has generated. * All the report generated dates are displayed on tabular manner. So, admin can find the details easily. |

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| **Function(s)**  **Note**: Include the functions required to complete for both **sprint 1** & **sprint 2** | **Sprint 1**   * Add a Feedback to the system. * Get Feedbacks of a user. * Update Feedback functionality.   **Sprint 2**   * Feedback Delete functionality. * Feedback report generation functionality. * Get All feedbacks sent from customers (Admin User). * Report Download functionality. | |
| **Sprint 1** | **Picture of interface 1** | **Brief description of interface 1** |
| Graphical user interface  Description automatically generated | **Purpose**: This interface will be used to add customer feedbacks to the system.  **Flow**: First, User need to select the feedback tab from the side bar. Then user will be navigated to the feedback page. In this page user need to fill all the text fields and submit the feedback by clicking the Submit button.  **Good practices**:   * User need to enter the email in valid format. This is validated from the text field. * Rating is only limited to five levels. So, User can only select given rating values. * All the text fields are required fields. So, user need to fill all the text fields and submit the form. * Display a loader when adding record takes time. |
| **Picture of interface 2** | **Brief description of interface 2** |
| Text  Description automatically generated with medium confidence | **Purpose**: View feedbacks sent by a user.  **Flow**: User need to click **View Your Feedbacks** tab from the tab. Then user will be navigated to the Feedbacks page.  In this page user can view all the feedbacks sent from him/her.  **Good practices**:   * Display loader component until all the records are loaded in the screen. * All the feedbacks are displayed on tabular manner. So, user can find the details very easily. * Delete and Edit functionalities are also in this page. * Display confirmation message before deleting feedback. |
| **Picture of interface 3** | **Brief description of interface 3** |
| Graphical user interface, text, email  Description automatically generated | **Purpose**: Update feedback sent from user.  **Flow**: User need to click edit button in view feedbacks page. Then user will be navigated to edit page. In this page user can edit details and press the Update Feedback button.  **Good practices**:   * Load values to the text fields when the page is loaded to the user. Then user only need to edit the values. * Ask a confirmation from the user when the user click Update Feedback button. * Display a confirmation message to notify that the record was updated or not. |
| **Sprint 2** | **Picture of the interface\_4** | **Brief description of interface\_4** |
| **Graphical user interface, text, application, email  Description automatically generated** | **Purpose**: View all feedbacks about the system sent from all customers.  **Flow**: The admin user needs to click Manage Customer Feedbacks tab from the side bar to manage customer feedbacks. Then all the feedbacks will be displayed to the admin user in tabular manner.  Admin user can search feedback from the menu by searching by name and sort the feedbacks based on the rating.  **Good practices**:   * All the feedbacks are displayed on tabular manner. So, user can find the details very easily. * Search functionality do not have a search button. It will search items on the table based on the text user is typing. * Align all items to one side(left/right) to increase the readability. * Display loader component until all the records are loaded in the screen. |
| **Picture of the interface\_5** | **Brief description of interface\_5** |
| Graphical user interface, text, application, email  Description automatically generated | **Purpose**: Generate report based on customer feedbacks.  **Flow**: Admin user need to click the view feedback report tab and navigate to the customer feedback report page. In this page user need to select the date range which the report should be generated. Then the data will be listed, and user can download the content as a PDF.  **Good practices**:   * All the feedbacks are displayed on tabular manner. So, user can find the details very easily. * Two date filters should be on top in order to reach easily. * Use data pickers for filters instead of typing the dates. * Display Report download option on the top. * Display loader component until all the records are loaded in the screen. |
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| **Function(s)**  **Note**: Include the functions required to complete for both **sprint 1** & **sprint 2** | **Sprint 1**   * Create Items to the system. * View the Item list. * Update the Item list. * Delete the Item.   **Sprint 2**   * Generate the Item report time wise. * View the Report. * Get the report (pdf, print, email ,Excel) | |
| **Sprint 1** | **Picture of interface 1** | **Brief description of interface 1** |
|  | **Purpose**: This interface is used for view items that added to the system.  **Flow**: Seller and admin can view the Item management section in side bar. Then click the item tab, come to this interface. They can view the items by searching category wise. Also can sorting, update, delete items by clicking their buttons. Then can create the item by clicking item create button.  **Good practices**:   * User can search the item by searching bar. * We can view items by sorting. * Item can select category wise by select type. * There are options to create, update, delete the items in this page * Clicking the more information button in description we get more information about item. |
| **Picture of interface 2** | **Brief description of interface 2** |
|  | **Purpose**: This interface is used for create the item detail wise.  **Flow**: When the clicking item tab in item management interface and clicking the item create button comes to this page. Then admin and seller can add the details to the fields by select the item category. Then can upload the item image to the system and generate the QR code and save it.  **Good practices**:   * First need to select the item type . * In the name and description fields only can add alphabet letters. * In the quantity and price fields can add numerical values. * Then can add the image to the given field. * Then user can generate QR code and get the details for mobile or other resources. * Then click the save button or cancel . |
| **Picture of interface 3** | **Brief description of interface 3** |
|  | **Purpose**: This interface is used for update the item details correctly.  **Flow**: When the clicking item tab in item management interface and clicking the edit icon (pen) comes to this page . Then admin or seller can change the item type edit the required fields or add correct image again. Now can generate the QR code after the updating. Also can update items by searching. Then can save the update details.  **Good practices**:   * First need to select the correct item type. * In the name and description fields only can edit by using alphabet letters. * In the quantity and price fields can edit by using numerical values. * Then can edit the image to the given field. * Then user can generate QR code and get the details for mobile or other resources. * Can update the items by searching. * Then click the save button or cancel. |
| **Sprint 2** | **Picture of the interface\_4** | **Brief description of interface\_4** |
|  | **Purpose**: This interface is used for generate the item reports.  **Flow**: First admin goes to item management in side bar and click the item report tab then open this interface. First admin can get the report by time wise and item category wise. Then clicking generate button get all the details as report. We can get reports as a pdf, excel sheet, Email and get print out using this page.  **Good practices**:   * First need to select start date end date required. * Then select the item category as they want. (This is no required) * Then can click the generate button to get report. * If click the pdf button report save as a pdf. * If click the Excel icon report save as an excel. * If click the Email icon report send as a email. * If click the Print button we can get print out of report. |