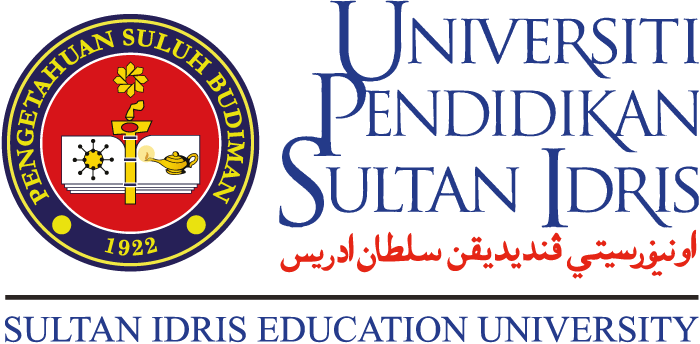
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**SOFTWARE DESIGN**

**MES3043**

**ASSIGNMENT 2**

**GROUP C**

**Lecturer’s name:** Dr. Suliana binti Sulaiman

**Group members:**

1. Nur Atikah Binti Mohamad (D20161072642)
2. Muhammad Abdin Shakirin Bin Mohamad (D20161074854)
3. Ku Mohamad Hafidz Bin Ku Mohamad Hashim (D20161074857)
4. Nur Syakirah Binti Mohamed Shah Beri (D20161072556)
5. Mohamad Zulhelmi Bin Mohd Zaini (D20162075287)

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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** App User | | **Id**: 01 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:**  A platform where admin and students can enter to use UPSI Street System | | | | **Associated use cases :** UC01 | |  |  |
|  |  | **Responsibilities :**    Insert email and password  Provide change password  Submit form | | | **Collaborators**  Admin  Student | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | LoginID(string) | | |  | | |  |  |
|  |  | Email (string) | | |  | | |  |  |
|  |  | Password (string) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**: Admin and student is a kind of App User    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Admin | | **Id**: 02 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:**  An individual who can manage and monitor all the transaction in the system | | | | **Associated use cases :** UC12,UC13 | |  |  |
|  |  | **Responsibilities :**  Monitor and view transaction history  Manage, survey and fixed the maintenance of the system | | | **Collaborators**  App User | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Admin ID (string) | | |  | | |  |  |
|  |  | Admin Name | | |  | | |  |  |
|  |  | Admin Email | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**:    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Student | | **Id**: 03 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description**: A student from UPSI that can be a seller or buyer of the system | | | | **Associated use cases** | |  |  |
|  |  | **Responsibilities :**  Log in as a seller or buyer | | | **Collaborators**  Buyer  Seller | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Student ID (string) | | |  | | |  |  |
|  |  | Name (string) | | |  | | |  |  |
|  |  | Email(string) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of):** Student is a kind of Buyer and Seller    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name: :** Buyer | | **Id**: 04 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:**  A student who can buy and search preloved item that they want and perform all the system functionality of the system. | | | | **Associated use cases**UC4UC,UC5UC,UC6,UC7,UC11 | |  |  |
|  |  | **Responsibilities :**  Buy item  Search item  Receive feedback  Tag favourite seller  Make payment  Chat online | | | **Collaborators**  Student  Seller  Feedback  Notification  Payment  Orders  Shopping cart  Online chat | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Buyer ID (string) | | |  | | |  |  |
|  |  | Buyer name (string) | | |  | | |  |  |
|  |  | Email (string) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of):**    **Aggregation (Part-of):**  **Other Association:** | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:**  Shopping Cart | | **Id**: 05 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:**  A platform that keep the item before buying | | | | **Associated use cases :**  UC03 | |  |  |
|  |  | **Responsibilities :**  Add product quantity  Delete product  Continue shopping | | | **Collaborators**  Buyer | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Cart ID (string) | | |  | | |  |  |
|  |  | Product quantity (integer) | | |  | | |  |  |
|  |  | Product name (string) | | |  | | |  |  |
|  |  | Price (integer) | | |  | | |  |  |
|  |  | Total price (integer) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**:    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Notification | | **Id**: 06 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:** A box of information that requires to be update and view by a specific person. | | | | **Associated use cases :**UC05 | |  |  |
|  |  | **Responsibilities :**  Get student notification  Give notification to buyer  Update notification from the seller | | | **Collaborators**  Buyer | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Notification ID (string) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**:  **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Feedback | | **Id**: 07 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:** A box of comment that requires to be added, viewed and replied by a specific person. | | | | **Associated use cases**UC6,UC9 | |  |  |
|  |  | **Responsibilities :**  Add new feedback  View feedback  Reply feedback | | | **Collaborators**  Buyer  Seller | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Feedback ID (string) | | |  | | |  |  |
|  |  | Buyer ID (string) | | |  | | |  |  |
|  |  | Seller ID (string) | | |  | | |  |  |
|  |  | Feedback message (string) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**:    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Payment | | **Id**: 08 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:** A platform where the person can run their business with the other person by view, check and make the payment in the preloved item system. | | | | **Associated use cases**UC07,UC10 | |  |  |
|  |  | **Responsibilities :**  Get admin information  Get student information  Receive the payment transaction  View the payment transaction receipt  Check the payment transaction receipt | | | **Collaborators**  Seller  Buyer | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Payment ID (string) | | | Bank type (string) | | |  |  |
|  |  | Date transaction (double) | | | Bank account (integer) | | |  |  |
|  |  | Cart ID (string) | | | Card no (integer) | | |  |  |
|  |  | Buyer ID (string) | | |  | | |  |  |
|  |  | Seller ID (string) | | |  | | |  |  |
|  |  | Buyer name | | |  | | |  |  |
|  |  | Order ID | | |  | | |
|  |  | **Relationships**    **Generalization (A Kind Of)**:    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Online chat | | **Id**: 09 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:** A platform where the person use to communicate with other person about their business in the preloved item system. | | | | **Associated use cases** UC11 | |  |  |
|  |  | **Responsibilities :**  Get student information  Interact platform for the seller and buyer | | | **Collaborators**  Seller  Buyer | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Online chat ID (string) | | |  | | |  |  |
|  |  | Time | | |  | | |  |  |
|  |  | dateCreated(date) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**:    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Product | | **Id**: 10 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:** The information and detail of the product is stored. | | | | **Associated use cases** | |  |  |
|  |  | **Responsibilities :**  Add new product to the system  Delete product if doesn’t have any stock  Edit the description of the product  View the product left | | | **Collaborators**  Buyer  Seller | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Product ID (string) | | |  | | |  |  |
|  |  | Product Name(string) | | |  | | |  |  |
|  |  | Price (string) | | |  | | |  |  |
|  |  | Description | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**:    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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|  | **Front** | |  |  |  |  |  |  |  |
|  |  | **Class Name:** Seller | | **Id**: 11 | | **Type**: Concrete and Domain | |  |  |
|  |  | **Description:** A student that can add and promote item that they want to sell in the preloved item system. | | | | **Associated use cases :** UC08,UC09,UC10,UC11 | |  |  |
|  |  | **Responsibilities :**  Add, edit, delete and view product information  Received Feedback  Get tag by the buyer  Having a chat with the buyer | | | **Collaborators**  Student Payment  Buyer  Feedback  Product  Chat Online | | |  |  |
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|  | **Back** | |  |  |  |  |  |  |  |
|  |  | **Attributes** | | | | | |  |  |
|  |  | Seller ID (string ) | | |  | | |  |  |
|  |  | Seller name (string) | | |  | | |  |  |
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|  |  | **Relationships**    **Generalization (A Kind Of)**:    **Aggregation (Part-of**):    **Other Association**: | | | | | |  |  |
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**CLASS DIAGRAM**

