**Section 1: Metadata**

*to be filled by the student*

**1.1. Project Information** to be filled by the student

|  |  |
| --- | --- |
| Title: | |
| Section: | Instructor: |

**1.2. Student(s) Information**

|  |  |
| --- | --- |
| Name: | ID: |
| Section: | Batch: |

|  |  |
| --- | --- |
| Name: | ID: |
| Section: | Batch: |

|  |  |
| --- | --- |
| Name: | ID: |
| Section: | Batch: |

**Submission guideline:** Save your project proposal as a pdf file and rename as Project Proposal\_L1\_ProposedTitle where L1 is to be replaced with your section

**Section 2: The Project**

*to be filled by the student*

**2.1. Project Description:** *Please provide a brief introduction of the project including its scope.*

**2.2 Functional Requirements**

*This section describes each function/feature provided by your system. These functions are logically grouped into modules based on their purposes. The users in your system must be categorized such as client, customer or administrator etc. These users will be accessing the database with the level of access that they are authorized with.*

Sample functional Requirements:

**Module 1: Registrations**

• Function 1: Register an account

The system lets users register an account on the website as a client and as a customer.

– Function 1a: Register as a client The register form prompts the user to enter their details i.e. Name, Email, Password. The form is submitted and an unveriﬁed client account is created. The user receives a link on their email address which completes account veriﬁcation.

– Function 1b: Register as a customer The register form prompts the user to enter their details i.e. Name, Email, Password. The form is submitted and an unveriﬁed customer account is created. The user receives a link on their email address which completes account veriﬁcation.

**Module 2: Buying and Selling**

• Function 1: Only client type users can upload item(s) to sell .A registered client can upload an item to sell through the mobile application. The system prompts the client for item photos, item category and item details and the item is added to the item inventory.

• Function 2: Add item to cart. A certain button on the item page prompts the system to add the item to the user’s cart. All consequent item(s) added without checkout, are added to the same cart unless cleared.

• Function 3: Clear item from cart .The system allows the user to remove a previously added item from the cart. If cart is empty, the checkout link is no longer accessible.

**2.3. Planned Schedule:** *Kindly list the start/end dates and the timeline for the achievement of any intermediate milestones and the expected contribution to be made by the participant(s).*

**2.4. Technology Stack:** *If you are utilizing any language or database besides PyQt and SQL Server, please complete this section; otherwise, leave it blank. Specify the programming language and database management system intended for constructing this application, as well as the application type (Desktop, Web, or Mobile).*

**2.5. Screens:** *Provide images of all application screens, showcasing clear input and corresponding outputs. Ensure each image includes a concise caption explaining user action and expected/observed output. You can create these screens using Qt Designer.*