Habib University
shaping futures

Section 1: Metadata
to be filled by the student

1.1. Project Information to be filled by the student

Title: Online Pharmacy/ Medical E-commerce Store	
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.*

We will create a database for an e-commerce store platform centered around medical and healthcare products. We got this idea as during the COVID-19 lockdown, it became a huge problem in countries like Pakistan for consumers to find and purchase medicines due to the lack of online resources available in this specific sector, as well as inaccurate market information, which led to shortages, price hikes, and fake products being sold.

Therefore, we will create a database for a platform named Dava2go, where customers can find and purchase medicines and other healthcare products. We will keep track of our customers, staff, inventory through keeping stock records of our warehouses, delivery systems and logistics, complaints. We plan on making a order processing form, as well as other mini forms such as a complaints form, registration form, donation form which will mostly be used by the customer but we will also include some for the staff like updating inventory, updating staff records and any more we may be able to think of.

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.

Module 1: Registrations

• Function 1: Register an account

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

    – Function 1a: Register as a seller. 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, Address. 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 seller type users can upload item(s) to sell .A registered seller can upload an item to sell through the mobile application. The system prompts the client for item name, item category and item details(including prescription requirements if needed) 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. If a prescription is needed for a certain item, the checkbox is ticked and the user must upload a picture of a doctor's prescription that is then verified by the seller before the item's status is verified as cleared. Also there will be an option to input voucher codes which can be used as balance for the payment of items.

• 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.

Module 3: Order Tracking

The user (buyer and seller both) can track orders by inputting the Order number (Order ID) and view the status i.e. Processing, Cleared, Out for Delivery, Delivered.

Module 4: Logistics

The seller can use this Function to view the logistical details of their orders. They can sign in using their account details and then view all orders made from their shop/account. They can view details such as area of delivery, truck number, estimated delivery time, etc.

Module 5: Donation

This is an optional form, that will show up at the end of the order, if the customer wants they can donate cash which will be added to their total bill, or they could donate medication to multiple charities of their

choice from options that they we will provide. They will then receive a conformation of their donation via email.

Module 6: User Database

This function can only be accessed by moderators of the application(Employees of Dava 2 go) in order to keep a track of all users(buyers and sellers). It will fetch all details of any selected user and can moderate their activities, for example verifying or deleting accounts.

Module 7: Complaints/Feedback

For sellers and customers both, this function can be used to give any feedback of the application, it will ask for a rating and comments where users can also report certain sellers or customers. This will store the complaint in the database, which can be accessed by employees and they can then email the complainant with a potential fix to their problem for eg. Refund vouchers etc.

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).*
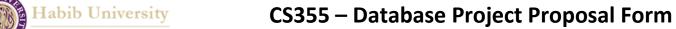Start date : 25th September: start making the ERD and overall schema of the database.

End date : Project Deadline.

50/50 contribution by both partners and progress will depend on the pace of the class as we will be employing the knowledge we learn in class as we go along.

2.4. Technology Stack: *Kindly identify the language and database management system that will be used to build this application. Also identify whether it is going to be a desktop application, mobile application, or web application.*

- Microsoft SQL Server
- Visual Studio – using C# for Windows Forms

Project Grading Rubric

Project weightage: 20% (of course grade)

Grade breakdown

Proposal	15%
Interim ERD	20%
Interim Demo	25%
Final Presentation and Submission	40%
Total	**100%**

Project Proposal

Category	Description	Weightage
Proposal document	The overall quality of the submitted document	5%
Useability/Novelty of Idea	How good and useful the project will be.	5%
Features	List of features are defined adequately or not.	3%
System's Users	The users of the system are identified appropriately or not.	2%

Total		15%