

Project Title: *El-Lavish E-Commerce Web Application*

Course Teacher: *Eng. Golam Rabbany*

Course Title: *Software Project VI*

Course Code: *CSE336*

Dear Sir,

Re: We are pleased to present the Enclosed Application Agreement for the *El-Lavish E-Commerce Web Application*.

At El-Lavish, we craft client-focused applications by blending technical excellence, creativity, and clear communication. Our e-commerce platform is designed to deliver innovative, user-friendly, and affordable solutions tailored to clients' unique needs. Prioritizing functionality and design, we ensure a seamless user experience with high technical standards.

The El-Lavish e-commerce Web Application features intuitive navigation, engaging product displays, and efficient order management, simplifying shopping and enhancing customer satisfaction through a responsive interface and robust backend. This document outlines the application's features and specifications. Kindly review and confirm your approval by signing if it meets your requirements.

Yours Truly,

Md. Mofizur Rahman (213-15-4586)

Shanzida Sazzad (213-15-4546)

Section: 60-E

Daffodil International University

EI-Lavish e-commerce Web Application.

1. Project Overview

- **Purpose:** To develop an interactive, user-friendly e-commerce platform that allows users to browse luxury items, confirm or cancel orders, and access category-specific information.
- **Scope:** The platform will include the display of luxury product categories and brands. Allow users to confirm their order through a form submission. Provide an option for customers to cancel their orders. Showcase banners for promotional sections, such as home improvement and garden needs. Enable search functionality and navigation across multiple product categories.
- **Definitions, Acronyms, and Abbreviations:** **POS**(Point of Sale), **UI**(User Interface), **DBMS**(Database Management System) **PHP**(Hypertext Preprocessor).

2. Overall Description

1. **Product Perspective:** The webpage is built using HTML, CSS, JavaScript, and PHP. A MySQL database stores order data, providing seamless backend support for administrative and user functions.
2. **Product Functions:** Display curated luxury product categories, including watches, bags, and jewelry. Support order placement through a submission form. Provide functionality to cancel orders using an email-based system. Manage user data and order records via an admin dashboard.

User Characteristics:

- **Customer:** Browses products, places orders, and cancels orders.
- **Admin:** Monitors and manages user data and orders via a secure panel.
- **Constraints:** Data operations depend on an active MySQL database. Admin panel access must be restricted to authorized users only.
- **Assumptions and Dependencies:** Users have access to a modern browser. The application is hosted on a server running PHP and MySQL.

3. System Features

1. User Roles and Permissions

- **Customer:**
 - Browse luxury product categories.
 - Submit orders using a form.
 - Cancel orders based on email.
- **Admin:**
 - View user data and order details in a dashboard.
 - Update or delete user records.

2. User Interface

- A clean, visually appealing design built with responsive CSS for desktop and mobile compatibility.
- Interactive JavaScript elements for real-time feedback (e.g., button alerts).

3. Functional Modules

Customer Modules:

- **Product Browsing:** Access categories like watches, bags, and jewelry.
- **Order Submission:** Form-based data submission with validation.
- **Order Cancellation:** Email-based order deletion.

Admin Modules:

- **Dashboard Management:** View, update, or delete user records.

Search and Navigation:

- A search bar for quick navigation between products.

Use Case Diagram:

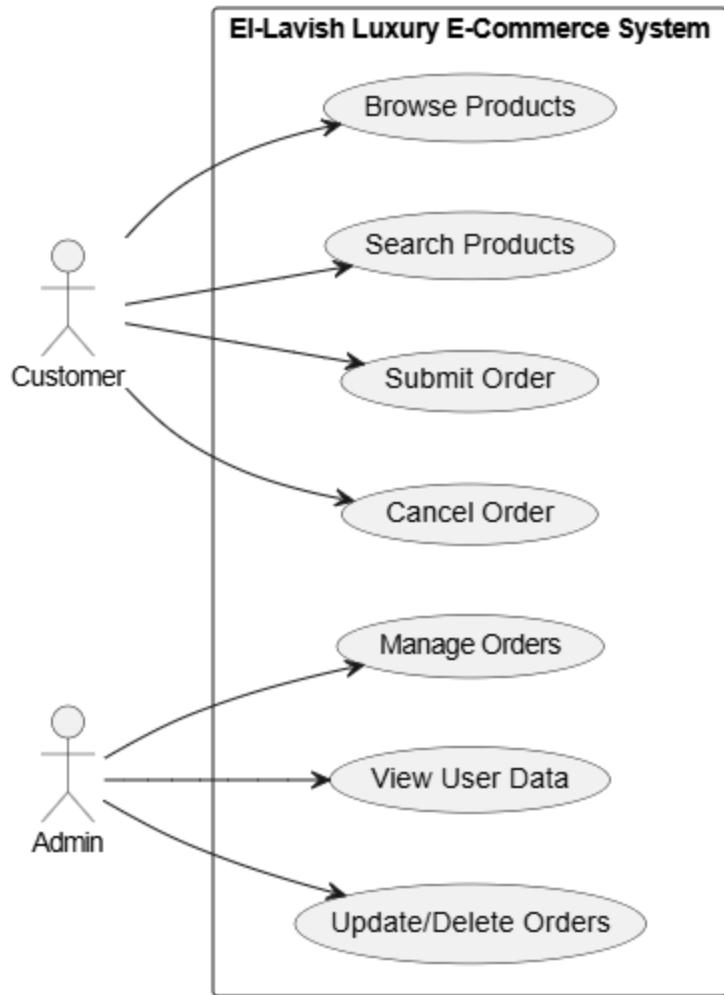
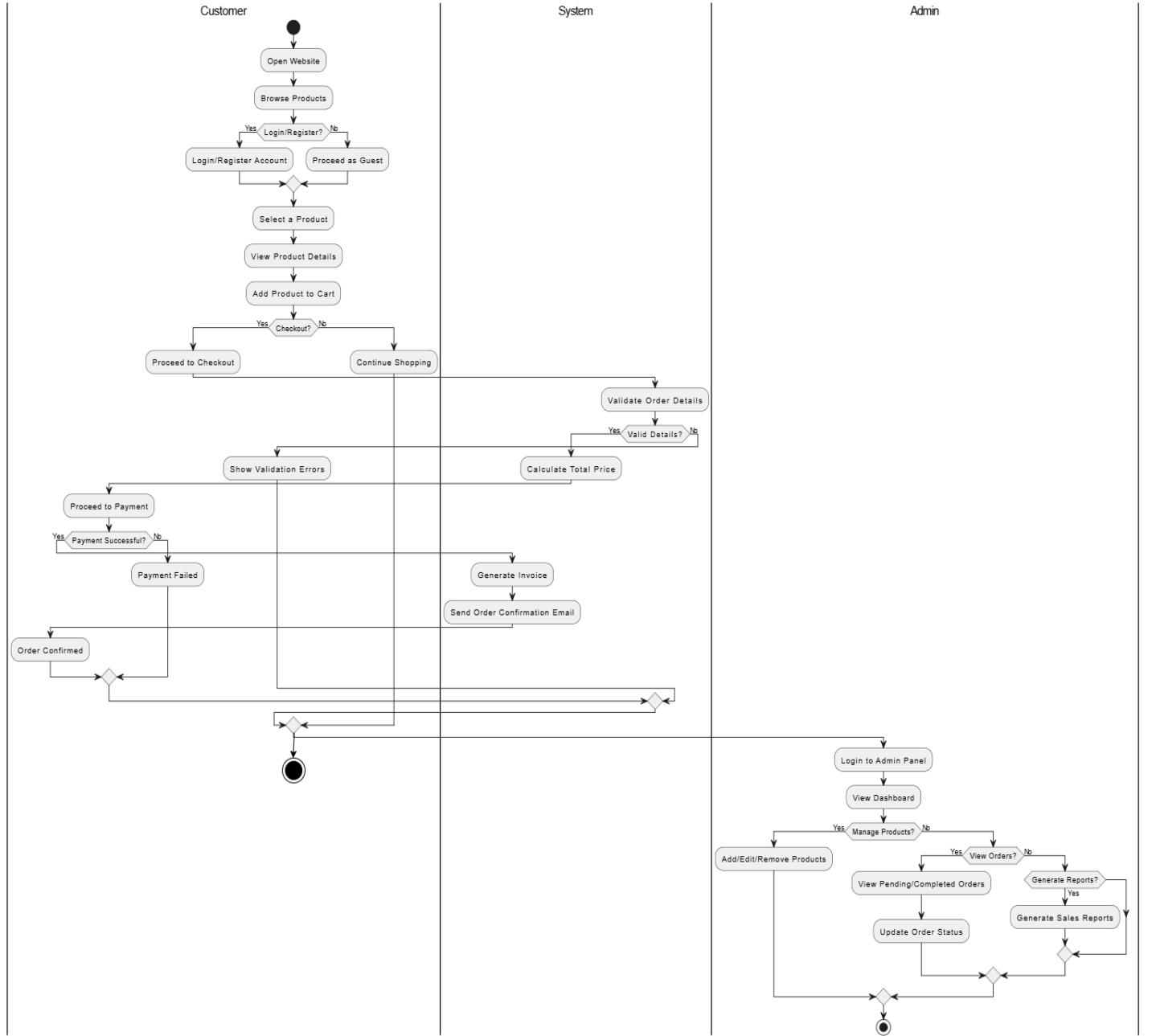


Fig 1: Use-Case Diagram for El-Lavish website

Activity Diagram:



[url:https://drive.google.com/file/d/1ohvbjbiAPdkL8YHy4ptDqmFT_NEkDK0q/view?usp=sharing](https://drive.google.com/file/d/1ohvbjbiAPdkL8YHy4ptDqmFT_NEkDK0q/view?usp=sharing)

Fig 2: Activity Diagram for El-Lavish website

Sequence Diagram:

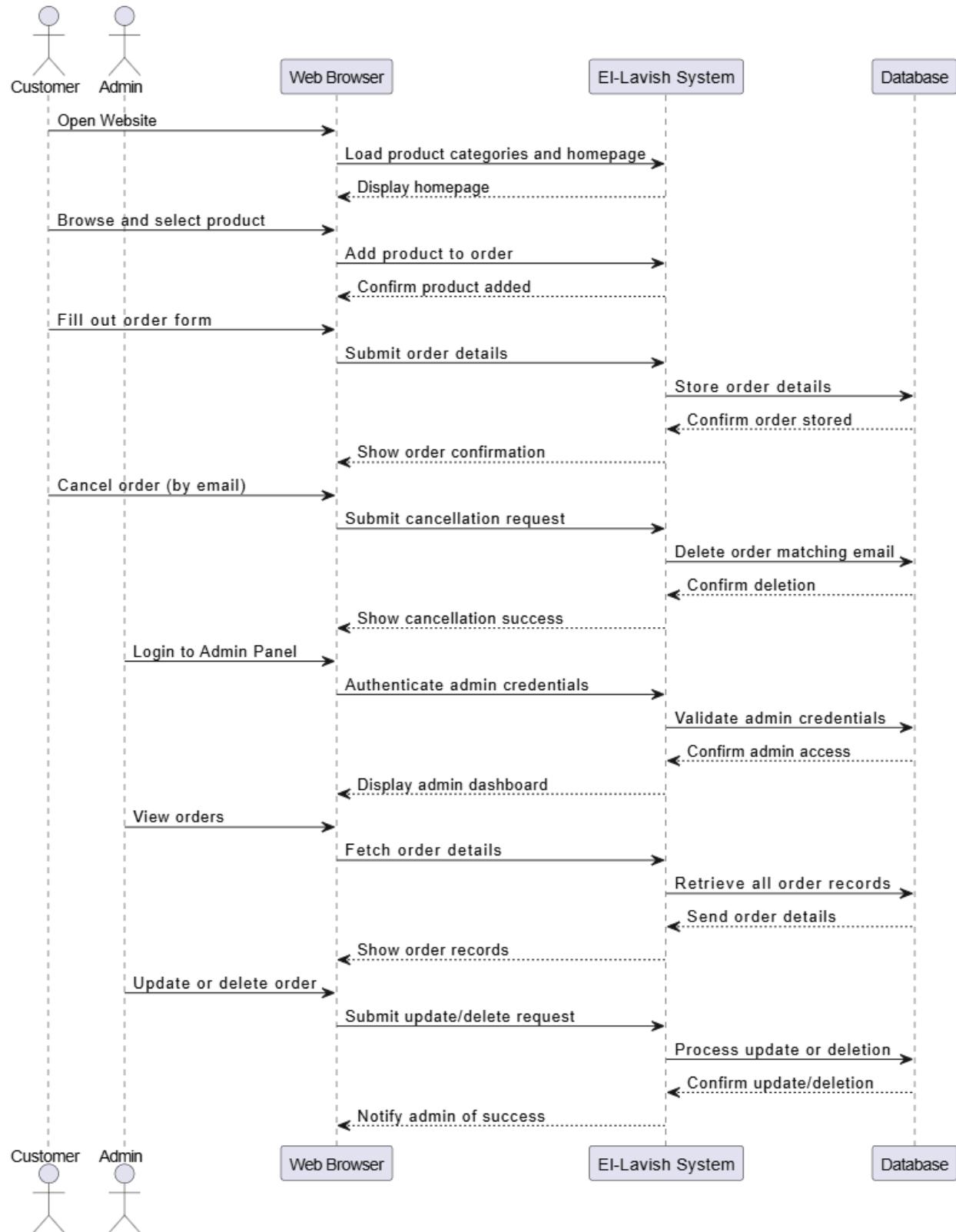


Fig 3: Sequence Diagram for El-Lavish website

4. Detailed Workflows

Customer Workflow:

- **Browse Products:** Access visually categorized sections (e.g., luxury watches).
- **Submit Orders:** Enter name, email, phone, and address via an order form.
- **Cancel Orders:** Submit email to remove order records.

Admin Workflow:

- **View Orders:** Access all user data from the `user` table.
- **Modify Records:** Update or delete user information using the admin panel.

5. Module Description

Customer Modules

- **Product Pages:** Category-based displays for watches, bags, and jewelry.
- **Order Management:** Submit and cancel orders with MySQL-backed storage.

Admin Modules

- **Dashboard Access:**
 1. View all orders.
 2. Update user information.
 3. Delete records securely.

6. Technology Stack

- 1. Frontend:**
 - a. HTML for structure.
 - b. CSS for design and responsiveness.
 - c. JavaScript for interactivity.
- 2. Backend:**
 - a. PHP for data processing.
 - b. MySQL for database management.
- 3. Server Environment:**
 - a. LAMP (Linux, Apache, MySQL, PHP) stack.

7. Milestones and Timeline:

Milestone	Timeline
Initial Planning	Week 1 (August 6 - August 12, 2024)
UI/UX Design in Figma	Week 2 - Week 3 (August 13 - August 26, 2024)
Frontend Development	Week 4 - Week 6 (August 27 - September 16, 2024)
User Surveys/QA	Week 7 (September 17 - September 23, 2024)
Backend Development	Week 8 - Week 10 (September 24 - October 14, 2024)
Testing	Week 11 - Week 12 (October 15 - October 28, 2024)
First Design	Week 13 (October 29 - November 4, 2024)
Modify and Second Design	Week 14 - Week 15 (November 5 - November 18, 2024)
Final Testing	Week 16 (November 19 - November 25, 2024)

Project Completion

Week 17 (November 26 - November 30, 2024)

El-Lavish Project Gantt Chart

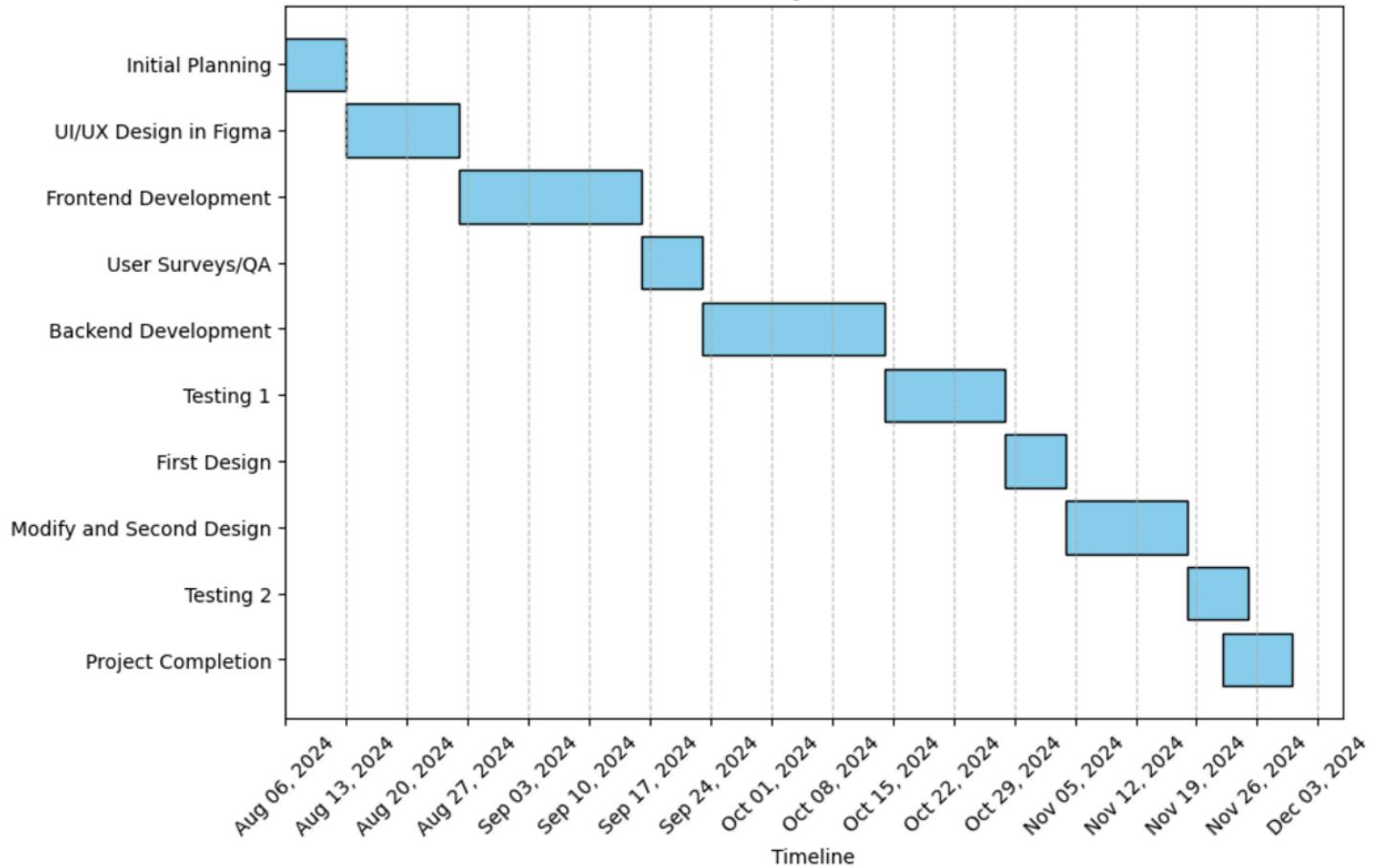


Fig 4: Gantt Chart for El-Lavish website

localhost/El-Lavish/

EL-LAVISH

Search...

Home Improvement Weekly Deals Top Brands Bestsellers Home & Garden More.. Login

Explore Popular Categories

Luxury Sneakers Home Appliances Travel & Hotel Pre-loved Luxury Toys & Gifts

Shop Luxury Watches by Brand

Rolex OMEGA Breitling TAG Heuer Patek Philippe

localhost/El-Lavish/

Rolex OMEGA Breitling TAG Heuer Patek Philippe

Shop Luxury Bags by Brand

Louis Vuitton GUCCI CHANEL HERMÈS Saint Laurent

Shop Fine Jewelry by Brand

el-lavish

localhost/El-Lavish/

Confirm Your Order

Name:

Email:

Phone:

Address:

Submit Order

Cancel Your Order

Email:

Cancel Order



Md. Motzur Rahman
motzurrahman@diu.edu.bd
+880 13146-23573



Shanzida Sazzad
shanzidasazzad@diu.edu.bd
+880 13146-23573
+880 13146-23573

© Daffodil International University
Dept. Of CSE

Management Panel

With database:

localhost/El-Lavish/

Confirm Your Order

Name: Akash

Email: akash@gmail.com

Phone: 1294541233

Address: dhaka

Submit Order

Cancel Your Order

Email:

Cancel Order



Md. Motzur Rahman
motzurrahman@diu.edu.bd
+880 13146-23573



Shanzida Sazzad
shanzidasazzad@diu.edu.bd
+880 13146-23573
+880 13146-23573

© Daffodil International University
Dept. Of CSE

Management Panel

Sl no	Name	Email	Phone	Address	Operations
1	Jihad	mrjjihad2000@gmail.com	01785889491	Daffodil international University ,	<button>Update</button> <button>Delete</button>
2	Jihad	rahman15-4586@diu.edu.bd	01812801717	yksg-1	<button>Update</button> <button>Delete</button>
3	Alindo	alindo@gmail.com	12931237	Khulna	<button>Update</button> <button>Delete</button>
4	mahi	mahi@gmail.com	1293123224	pabna	<button>Update</button> <button>Delete</button>
5	Binty Mitra	binty@gmail.com	1293123332	cumilla	<button>Update</button> <button>Delete</button>
6	Akash	akash@gmail.com	1294541233	dhaka	<button>Update</button> <button>Delete</button>
7	shanzida	sazzad@gmail.com	213154546	dhaka	<button>Update</button> <button>Delete</button>
8	Mofizur	rahman@gmail.com	213154586	dhaka	<button>Update</button> <button>Delete</button>

Showing rows 0 - 7 (8 total). Query took 0.0002 seconds.

SELECT * FROM `user`

	<input type="checkbox"/> Edit	<input type="checkbox"/> Copy	<input type="checkbox"/> Delete	id	name	email	phone	address
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	Jihad	mrjjihad2000@gmail.com	01785889491	Daffodil international University ,
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14	Jihad	rahman15-4586@diu.edu.bd	01812801717	yksg-1
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15	Alindo	alindo@gmail.com	12931237	Khulna
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	mahi	mahi@gmail.com	1293123224	pabna
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17	Binty Mitra	binty@gmail.com	1293123332	cumilla
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18	Akash	akash@gmail.com	1294541233	dhaka
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19	shanzida	sazzad@gmail.com	213154546	dhaka
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20	Mofizur	rahman@gmail.com	213154586	dhaka

8. Testing Process:

- **Unit Testing:** Validation of individual form fields.

- **Integration Testing:** Ensuring frontend and backend integration (e.g., order submission).
- **End-to-End Testing:** Simulating customer workflows for order placement and cancellation.

9. Support and Maintenance :

- **Customer Support:** Email-based support for resolving user queries.
- **System Maintenance:** Routine checks for database integrity and UI functionality.

10. Pricing and Payment Terms

- **Total Project Fee:** \$8,000 USD
- **Payment Schedule:**
 - 20% on requirement analysis completion
 - 40% on initial development and UI/UX completion
 - 30% after testing and [UAT](#)
 - 10% upon final deployment

11. Roles and Responsibilities:

- **Client:** Provides project requirements and feedback, approves milestones and final deliverables.
- **Project Manager:** Oversees project execution, manages communication between the team and client, ensures timely delivery, and adjusts resources as needed.
- **Frontend Developer:** Implements the user interface, ensures responsiveness, and works closely with UI/UX designers.

- **Backend Developer:** Develops server-side logic, integrates with the database, and ensures proper backend functionality and security.
- **UI/UX Designer:** Designs user interfaces and experiences, creates wireframes and mockups for approval.
- **Quality Assurance (QA):** Tests the application for bugs and usability issues, ensures the product meets requirements.
- **System Administrator:** Manages hosting and server configurations, ensures smooth system operation with minimal downtime.
- **Admin (Internal):** Manages internal tools, monitors admin panel, and generates reports.

12. Contact Us -

Md. Mofizur Rahman

Email: rahman15-4586@diu.edu.bd

Phone: 01314-623573

Shanzida Sazzad

Email: sazzad15-4546@diu.edu.bd

Phone: 01723-138473