

Shoes Collection
Daffodil International University
Daffodil Smart City, Birulia, Dhaka, Bangladesh

Dear Golam Rabbani sir,

Re: Enclosed Application Agreement for Shoes Collection.

At Dream IT, we understand that creating client-focused applications requires a blend of technical expertise and clear communication, and we are committed to offering both. Our team comprises highly skilled professionals to ensure that you receive a solution that aligns with your unique needs.

We recognize that every client is distinct, and our approach is to deliver a tailored, innovative, and cost-effective proposal while ensuring timely and budget-conscious delivery. Based on your specific requirements, we have designed the Shoes Collection for you.

Enclosed in this agreement document, we have outlined all components and features included in our proposed application. Please review each section carefully, and if it meets your expectations, kindly sign to confirm your agreement.

We look forward to the opportunity to work together and bring this project to fruition.

Sincerely,

Abdullah Al Rahat

Md. Tanvir Tahmid

Ashraful Hasan Chad

Dream IT

Project Overview

In the 21st century, advancements in technology and digitalization have revolutionized every aspect of our lives. To streamline business and professional tasks, we have developed a robust system that simplifies operations and improves efficiency. This system includes a secure login panel, where users and administrators can access their accounts through unique user IDs and passwords.

The system is composed of five main modules: product catalog, order management, Service, Contact us, and analytics. Each module is designed to operate seamlessly, ensuring a smooth and effective workflow. By utilizing this system, businesses can manage their operations with ease, keep track of inventory, handle orders efficiently, and improve overall productivity.

Obstacles

- **Understanding the Requirements:** Thoroughly analyzing and interpreting client needs to ensure the application meets all functional and non-functional requirements.
- **Handling User Roles:** Implementing a user role management system that differentiates permissions and access levels for each user type.
- **Data Storage Using MongoDB:** Developing a robust object-oriented data storage solution to handle and organize the information within the application.
- **Managing Complex Data Sets:** Efficiently unstructuring and processing large and diverse data sets to ensure optimal application performance and usability.

Features Analysis:

UML Design (Use-case Diagram):

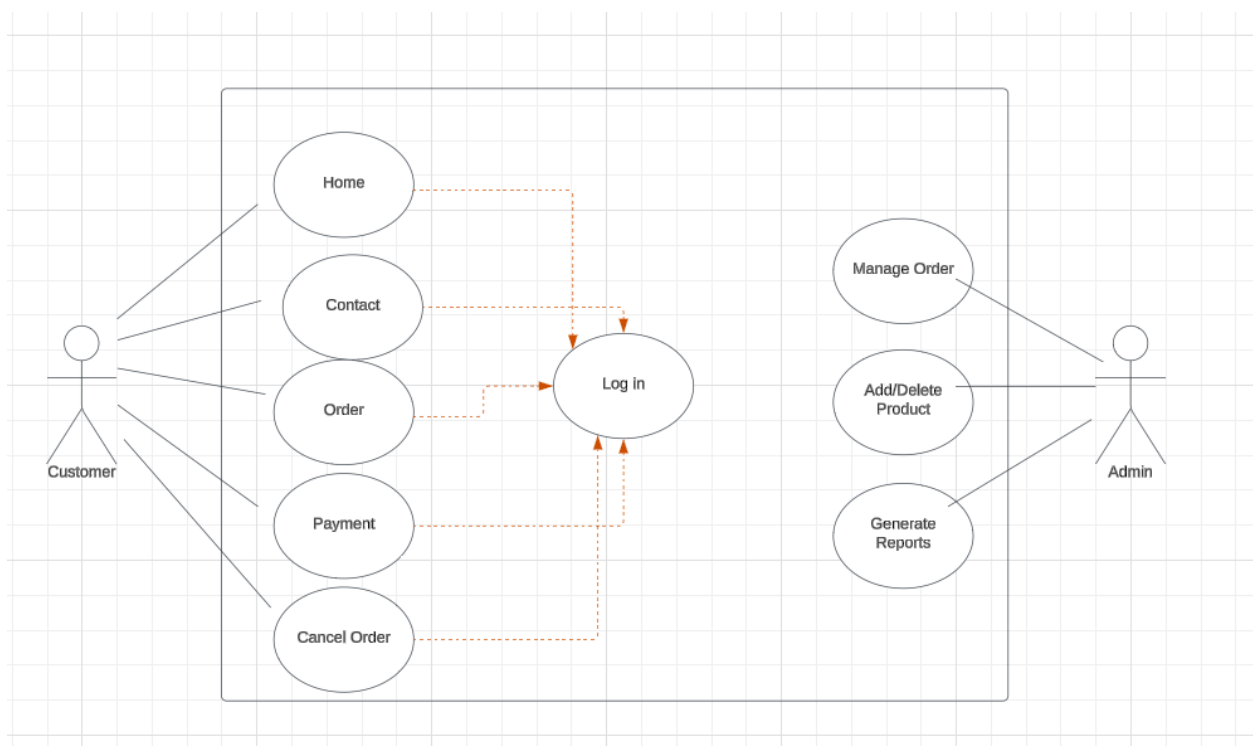


Fig. Use-Case diagram of Shoes Collection website

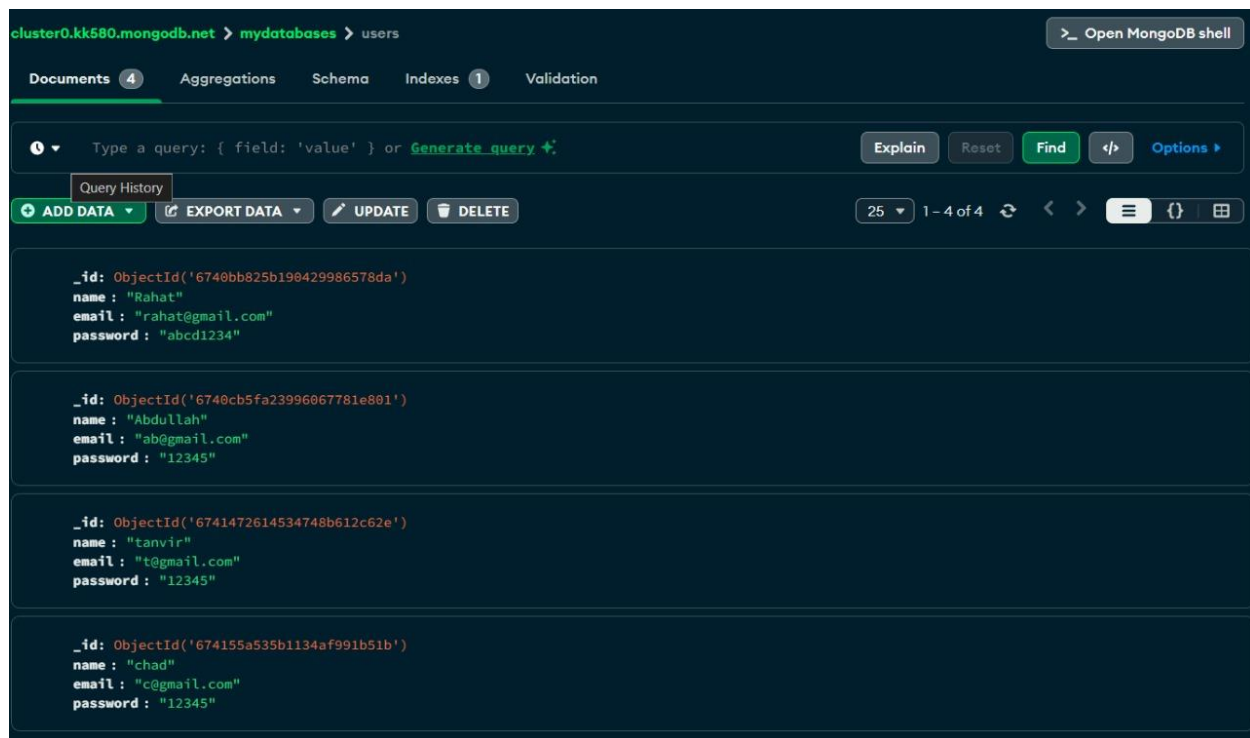


Fig. Screenshot of Shoes Collection website's Database

In the Shoes Collection Web Application System, there are two main user roles:

- **General User**
 - *Viewer*: Can browse general pages of the application. If a viewer wishes to contribute a blog post, they must register within the blog section.
 - *Massage*: When a viewer decides to make a review, they are identified as a reviewer so they can comment after the registration process.
- **Staff User**
 - *Moderator*: Has full administrative control over the web application. Moderators can create new users and assign or update user roles as needed.
 - *Accountant*: Manages all financial transactions within the application. Verifications for payments made through platforms like bKash are handled by the Accountant.
 - *Notice Board Moderator*: Responsible for posting notices and managing access for other staff members. The Notice Board Moderator can also create "General Staff" users who have permission to view and download notices. Additionally, they manage the removal of outdated notices and user accounts as necessary.

These two main user roles control the entire application. While the Staff User role manages and maintains the system, the General User is the primary end-user interacting with the application's functionalities.

Modules Details:

Visiting Website:

- **Home:** The landing page showcasing featured shoe collections, discounts, and trending styles.
- **Products:** Displays the full catalog of shoes, filterable by categories such as Men, Women, Kids, and types like Sneakers, Formal, Sports, etc.
- **Reviews:** Highlight the customer thought
- **Service:** Show the service system and its efficiency.
- **Contact Us:** A contact form where users can reach out with inquiries, feedback, or customer support requests.

Shop and Purchase:

- **Browse Products:** Users can explore various shoe categories, and view product details, sizes, colors, and pricing.
- **Product Registration:**
 - Required details for adding products to the catalog include:
 - Product Name
 - Price (mandatory)
 - Description (mandatory)
 - Category (Dropdown: Men, Women, Kids)
 - Size Options
 - Colors Available
 - Product Images
- **Login and Registration:**

- Registration:
 - Fields include:
 - Full Name (mandatory)
 - Email (mandatory)
 - Password (mandatory)
- Login:
 - Fields include:
 - Valid Email
 - Valid Password

Dashboard:

- Profile management
- Add user
- Delete user

Payment Confirmation:

Admin Panel:

- **Admin Dashboard:**

Blog Section:

- **User Registration:**
 - Any visitor can register to share thoughts and experiences related to shoes, fashion tips, or styling ideas.
- **Blog Moderator Access:**
 - Blog Moderators can manage blog posts, approve or delete content, and block or delete users as needed.
- **Post Uploads:**
 - Registered users can upload text posts, images, and videos to the blog section.
 -

Technology Requirements (Application and Hardware)

Technology:

- **Framework:** we use node.js to connect with MongoDB
- **Database:** We use MongoDB for efficient data handling.
- **Design:** Modern, responsive, and optimized for a premium user experience.
- **Coding Architecture:** Modular structure to support scalability and future expansion.
- **Security:** Encryption for data security, including user information, payment transactions, and sensitive data.

6. Application

- **Dream IT Web-Application Platform**

7. Milestones and Reporting

Milestone	Tasks	Reporting	Time
Analysis	-	-	5 days
Requirements Collection & Approval	-	-	7 days
Frontend Development	-	-	25 days
Backend Development	-	-	30 days
Testing	-	-	15 days
Deployment	-	-	5 days
Delivery	-	-	3 days
Analysis	-	-	5 days

8. Deployment The application will be developed based on the requirements specified by our client Mr. Golam Rabbani. Only features agreed upon in the project requirements document will be included in the initial development. Any additional features requested by the client will be subject to additional fees based on the complexity of the new requirements.

9. Testing The application will undergo a thorough testing process, including:

- **Automated Testing:** Conducted using a Continuous Integration (CI) pipeline to verify code quality and functionality.
- **Manual Testing:** Ensuring the platform functions across all intended devices and browsers.

10. Support

- **Support Availability:** 24/7 support will be available based on a support package and payment terms. Maintenance contracts can also be arranged for continuous updates and support.

11. Pricing The total project fee for end-to-end development will be **One Lakh Taka** (100,000 Taka).

- Breakdown:
 - **Frontend Development:** 40,000 Taka
 - **Backend & Database Integration:** 40,000 Taka
 - **Testing and Deployment:** 20,000 Taka

12. Payment Terms The payment terms are as follows:

Milestone	Payment
On Proposal Acceptance	10% (10,000 Taka)
On Agreement Signing	40% (40,000 Taka)
At 70% Project Completion	25% (25,000 Taka)
At Project Delivery	25% (25,000 Taka)

12. Responsibility This project is ordered by Dream IT. All content and data management within the application will be the client's responsibility.

13. Project Team

- **Developers:** Abdullah Al Rahat, Md. Tanvir Tahmid, Ashraful Hasan chad

14. Contact Us For further assistance or inquiries, please reach out through any of the following:

- **By Phone:** 01629247253
[Your Name]
- **By Email:** abdullah15-4261@diu.edu.bd
- **On our website:** <http://127.0.0.1:5500/backend/index.html>
- **By post:**
Daffodil Smart City, Birulia, Dhaka

We look forward to building this project with you!

Agreement Signed By:

.....

Client Signature

Golam Rabbani

Chairman

Dream Fill Foundation

.....

Client Signature

Monir Uddin

Chairman

Dream Fill Foundation

.....

Authority Signature

Arifuzzaman Arif

Head of HR

Dream IT