Documentation for ID Card Generator Application

Introduction

This is general documentation for my assignment project " ID card Generator Application ."

During the project I am using bootstrap ,css,html,js and php Laravel Framework for the project .

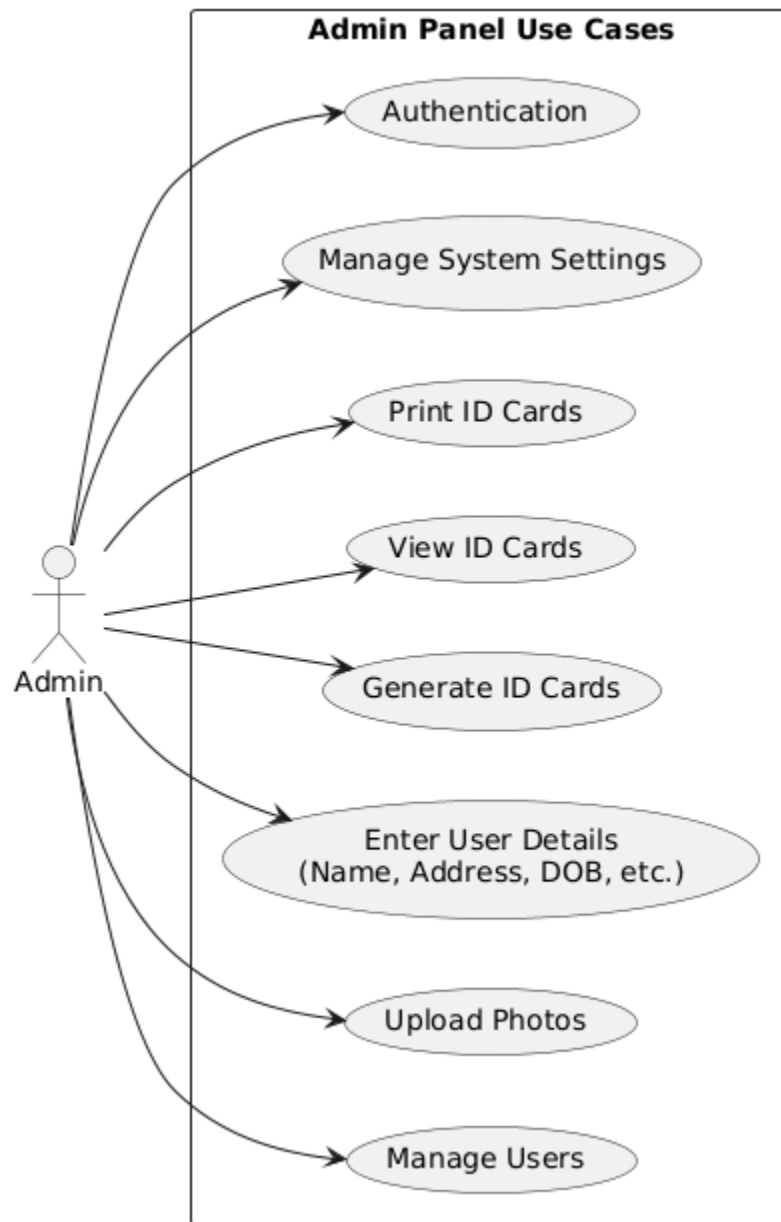***Project Title:*** ID Card Generator Application

Objective:
Develop a web application using Laravel 11 that allows users to create and print ID cards dynamically.
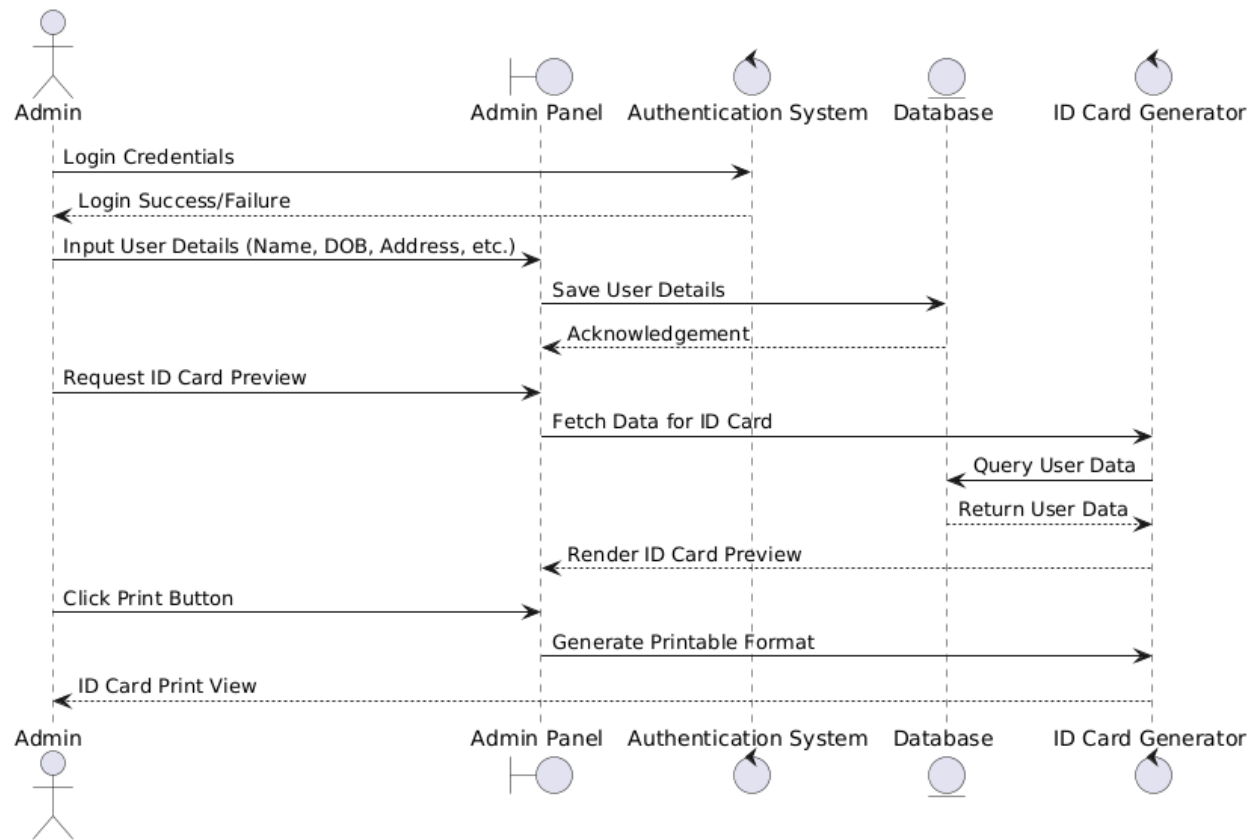
Requirement:

1. In the admin panel there shall be options for Photo upload, Name, Address, DOB, Card Expiry Date and other details input that are required for a ID card

2. Create a view for the ID card layout.

3. Implement functionality to fetch data from the database and display it on the ID card.

4. Add a print button to allow users to print the ID card.

5. Create a schema to store user details and photos, and develop models for dynamic data interaction.

6. Implement user authentication.

7. Ensure the application is fully dynamic, not hardcoded.

Use case for this ID Card Generator Application

Admin Panel Use Cases

- Authentication
- Manage System Settings
- Print ID Cards
- View ID Cards
- Generate ID Cards
- Enter User Details (Name, Address, DOB, etc.)
- Upload Photos
- Manage Users

Admin

System Sequence Diagram

Class Diagram

Admin
- ☐ username : String
- ☐ password : String
- ○ login() : Boolean

IDCard
- ☐ id : Integer
- ☐ userId : Integer
- ☐ template : String
- ○ generatePreview() : String
- ○ printCard() : void

Uses

Manages

Generates For

Authentication
- ○ validateCredentials(username : String, password : String) : Boolean

User
- ☐ id : Integer
- ☐ name : String
- ☐ address : String
- ☐ dob : Date
- ☐ cardExpiryDate : Date
- ☐ photo : Binary
- ○ saveDetails() : void
- ○ updateDetails() : void
- ○ deleteDetails() : void

Fetches Data

Saves/Fetches Data

Database
- ○ save(entity : Object) : void
- ○ update(entity : Object) : void
- ○ delete(entity : Object) : void
- ○ fetch(query : String) : List<Object>