

Smart Contact Management

➤ Introduction

The Smart Contact Management Application is an educational project designed to build a robust and efficient system for storing and managing contact information. The application emphasizes practical implementation of authentication and authorization features while leveraging modern web development technologies. Developed using Spring Boot and Thymeleaf, with a focus on MVC architecture, the project aims to provide a user-friendly and secure contact management solution.

➤ Technical Specifications

- 1) **Backend Framework:** Core Java, Spring Boot
- 2) **Frontend Technologies:** HTML5, CSS3, Bootstrap, Thymeleaf
- 3) **Security:** Spring Security for authentication and authorization
- 4) **Database:** MySQL
- 5) **ORM:** Spring Data JPA for database CRUD operations
- 6) **Architecture:** Model-View-Controller (MVC)
- 7) **IDE** – SpringToolSuite4
- 8) **API Platform** – Postman
- 9) **Operating System** – Windows 10

➤ Core Features

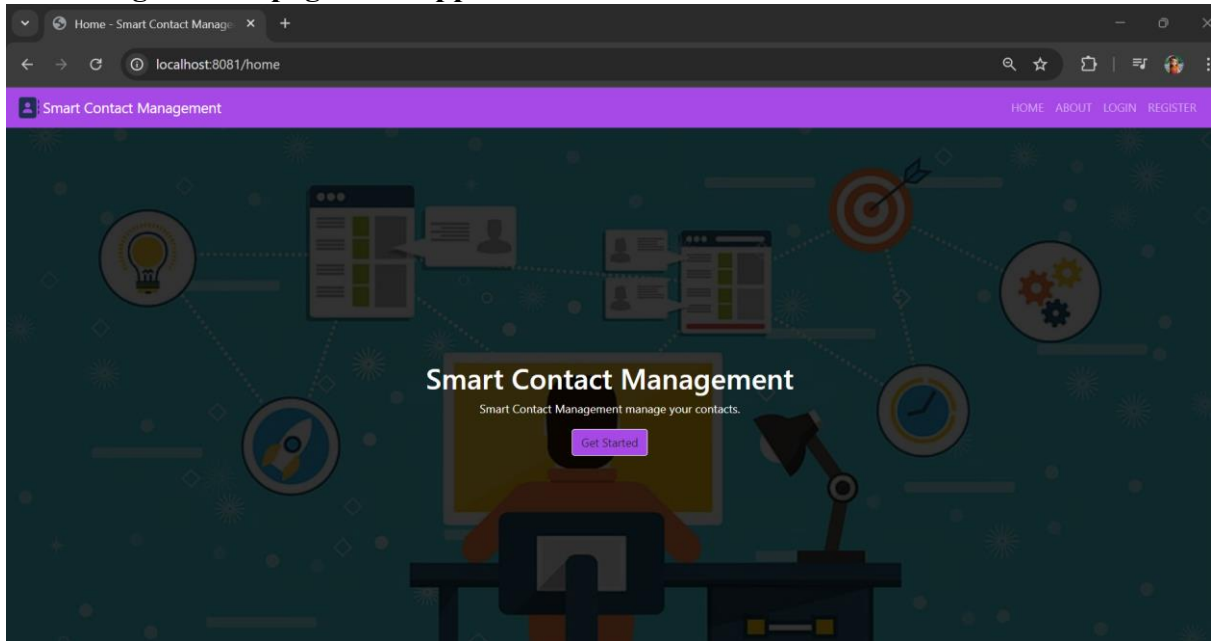
- 1) **Efficient Contact Storage:** Develop a system to store and manage contact information in a highly efficient manner.
- 2) **Smart Contact Management:** Implement features to handle contacts in a more organized and intuitive way.
- 3) **Authentication and Authorization:** Integrate Spring Security to provide secure access control and user authentication.
- 4) **Donation Using RazorPay :** Integrated Razor Pay Test Mode API for donation.

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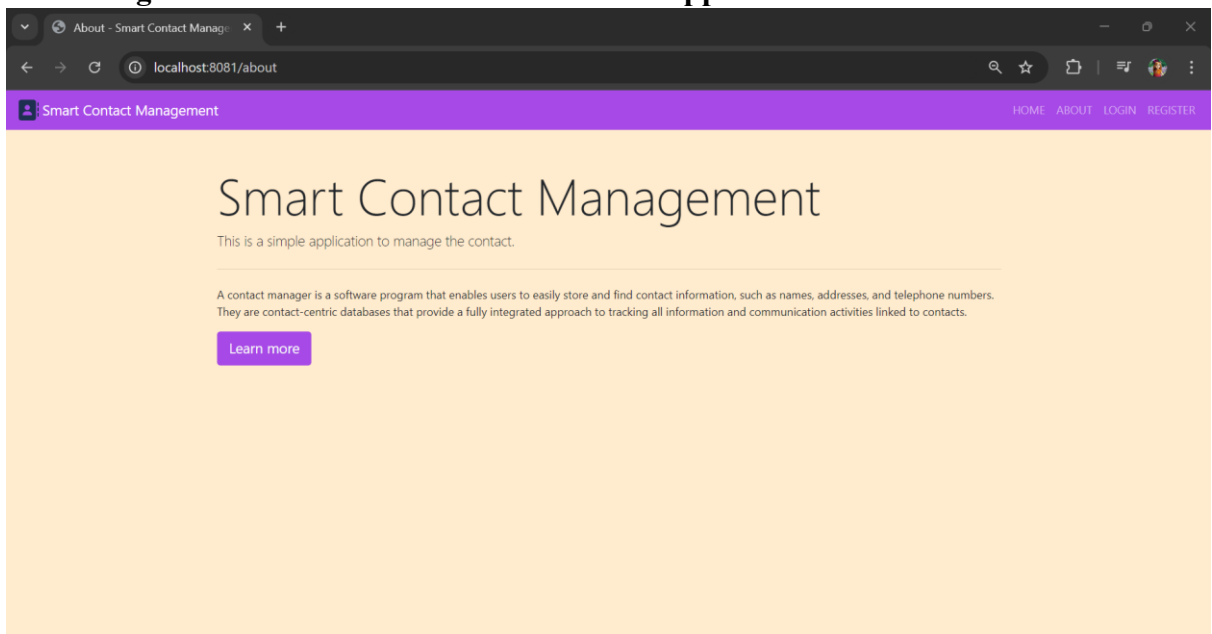
Project Feature

1) Main Page Feature

1. Home Page – front page of an application.



2. About Page – this show information about of an application.



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3. Register Page – this help to register a new user.

The screenshot shows a web browser window with the address bar displaying 'localhost:8081/register'. The page title is 'Register - Smart Contact Management'. The main content area has a light orange background. A white registration form is centered, titled 'Register' with a blue icon. The form fields include: 'Name' (text input with 'user1'), 'Email' (text input with 'user1@gmail.com'), 'Password' (password input with '*****'), 'Gender' (radio buttons for 'Female' and 'Male', with 'Female' selected), 'Country' (dropdown menu with 'India' selected), and 'Tell me about yourself' (text area with 'Hi'). Below the text area is a checkbox for 'Accept Terms and Condition' which is checked. At the bottom right of the form are two buttons: 'Register' and 'Reset'.

4. Login Page – this help to login registered user.

The screenshot shows a web browser window with the address bar displaying 'localhost:8081/login'. The page title is 'Login - Smart Contact Management'. The main content area has a light orange background. A white login form is centered, titled 'Login' with a blue icon. The form fields include: 'Email' (text input with 'user1@gmail.com') and 'Password' (password input with '***'). Below the password field are two links: 'Register Here..' and 'Forgot Password?'. At the bottom right of the form are two buttons: 'Login' and 'Reset'.

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5. Forgot Password

A screenshot of a web browser showing the 'Forgot Password?' page. The browser's address bar displays 'localhost:8081/forgot-password'. The page has a purple header with the site name 'Smart Contact Management' and navigation links for 'HOME', 'ABOUT', 'LOGIN', and 'REGISTER'. The main content area has a light orange background. A white form box is centered, titled 'Forgot Password?' with a lock icon. It contains a label 'Enter Your Registered Email', a text input field with the email 'saraswatiprajapati02@gmail.com', and a purple 'Send OTP' button.

A screenshot of a web browser showing the 'Verify OTP' page. The browser's address bar displays 'localhost:8081/send-otp'. The page has a purple header with the site name 'Smart Contact Management' and navigation links for 'HOME', 'ABOUT', 'LOGIN', and 'REGISTER'. The main content area has a light orange background. A white form box is centered, titled 'Verify OTP' with a lock icon. It features a green success message 'OTP Successfully Verified'. Below this, it shows 'Your Registered Email' as '[redacted]@gmail.com'. There is a label 'Enter Generated OTP' and an empty text input field. A purple 'Verify OTP' button is at the bottom.

Smart Contact Management - Forgot Password Verification Inbox x



[redacted]@gmail.com

to me ▼

Smart Contact Management - Forgot Password Verification

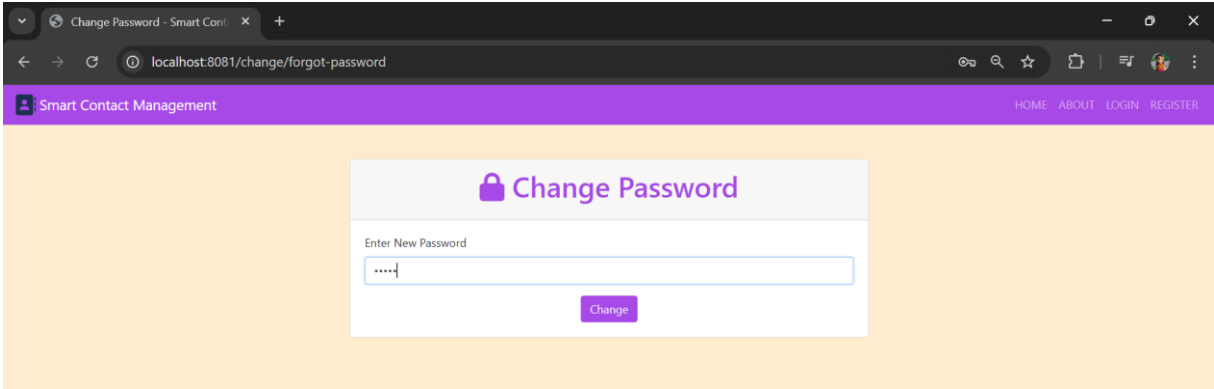
OTP = 269382

↩ Reply

➡ Forward



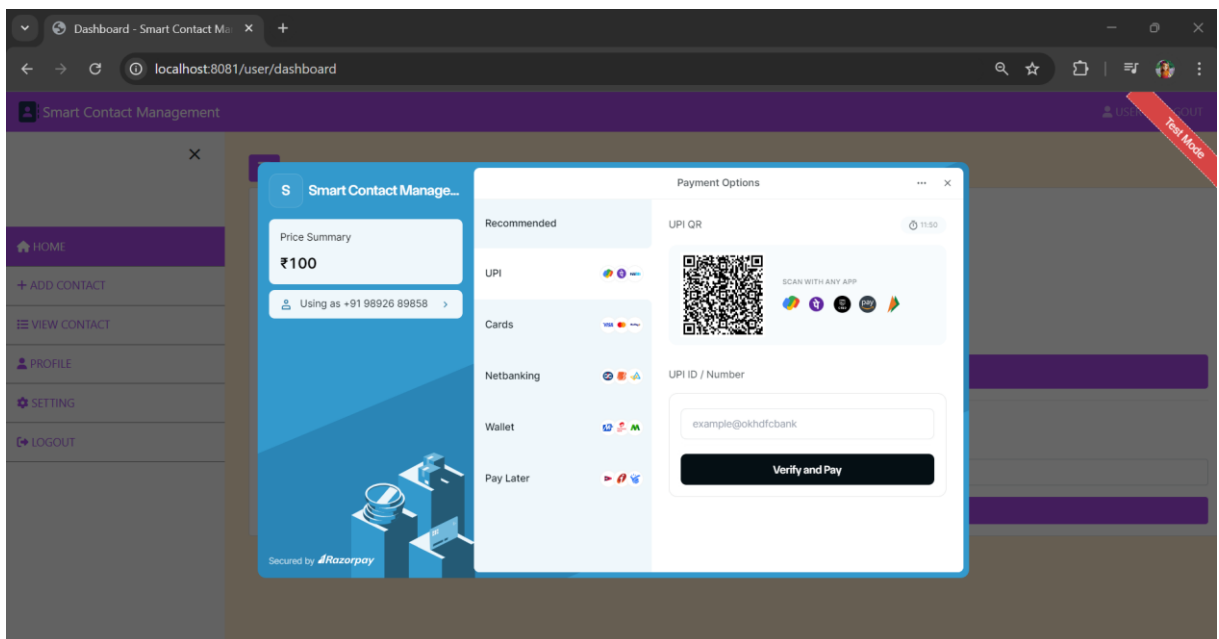
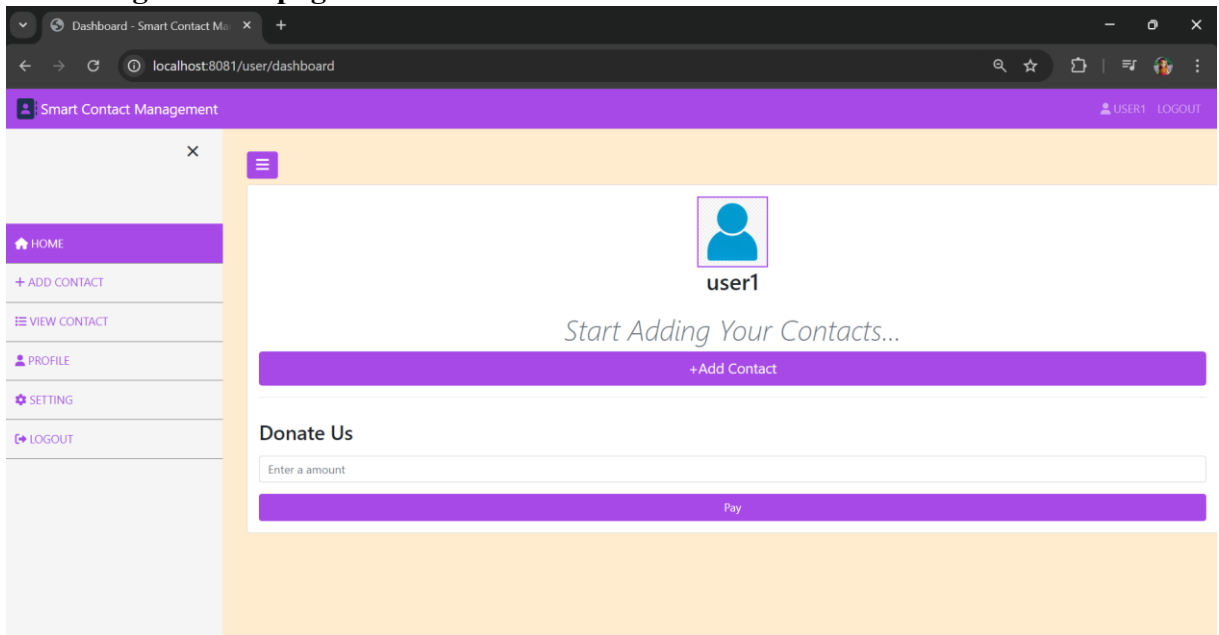
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2) User Page Feature

1. Home Page – home page contains the ‘Add Contact’ button and ‘Donate Us’ button.



2. Add Contact – this helps user to add the new contact details.

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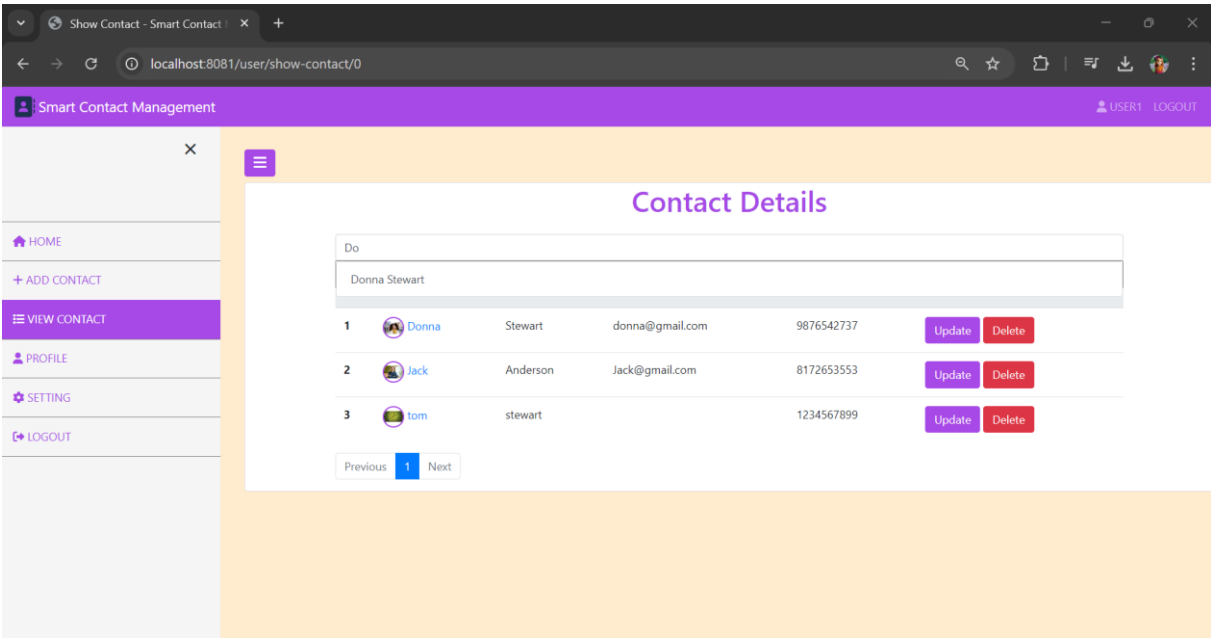
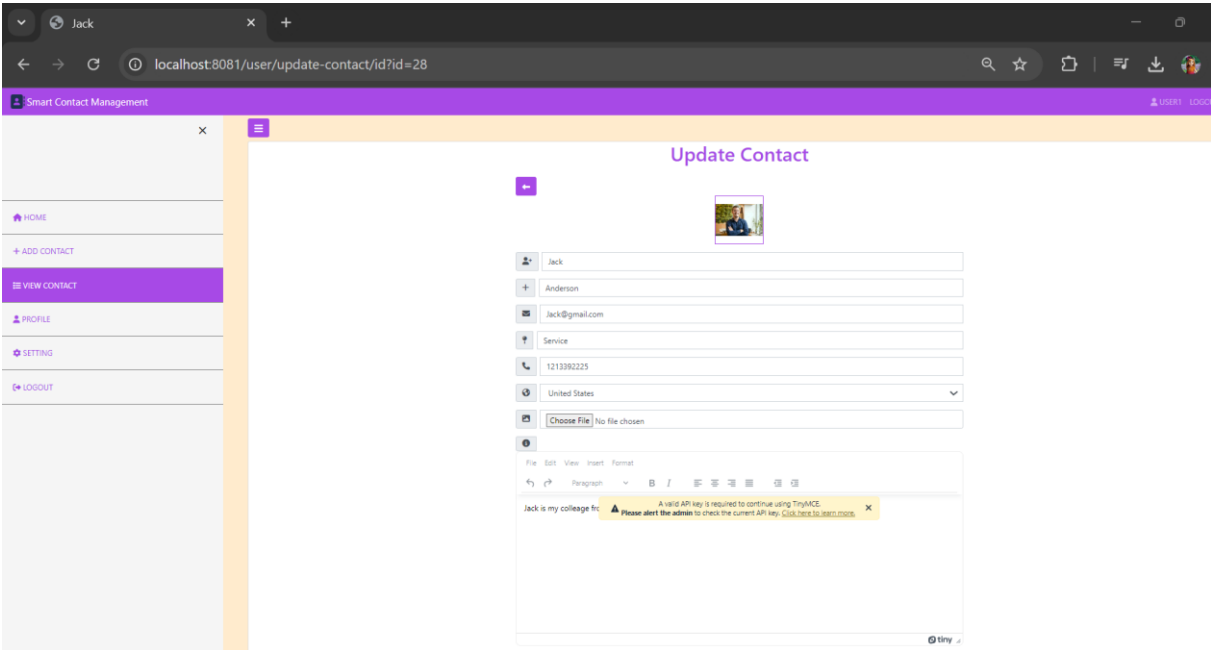
The screenshot shows the 'Add Contact' form in the Smart Contact Management application. The form is titled 'Add Contact' and is located in the main content area. It contains several input fields for contact information: Name (Jack), Last Name (Anderson), Email (Jack@gmail.com), Service (Service), Phone (1213392225), Country (United States), and a file upload field (Choose File) with a sample image (p1.jpeg). Below these fields is a rich text editor with a toolbar and a text area containing the text 'Jack is my colleague from my company.' At the bottom right of the form are 'Submit' and 'Reset' buttons. The left sidebar contains navigation links: HOME, ADD CONTACT, VIEW CONTACT, PROFILE, SETTING, and LOGOUT. The top navigation bar shows the application name 'Smart Contact Management' and user information 'USER1' and 'LOGOUT'.

3. **View Contact** – this helps user view all added contact and also allow to update, delete and filter the contact.

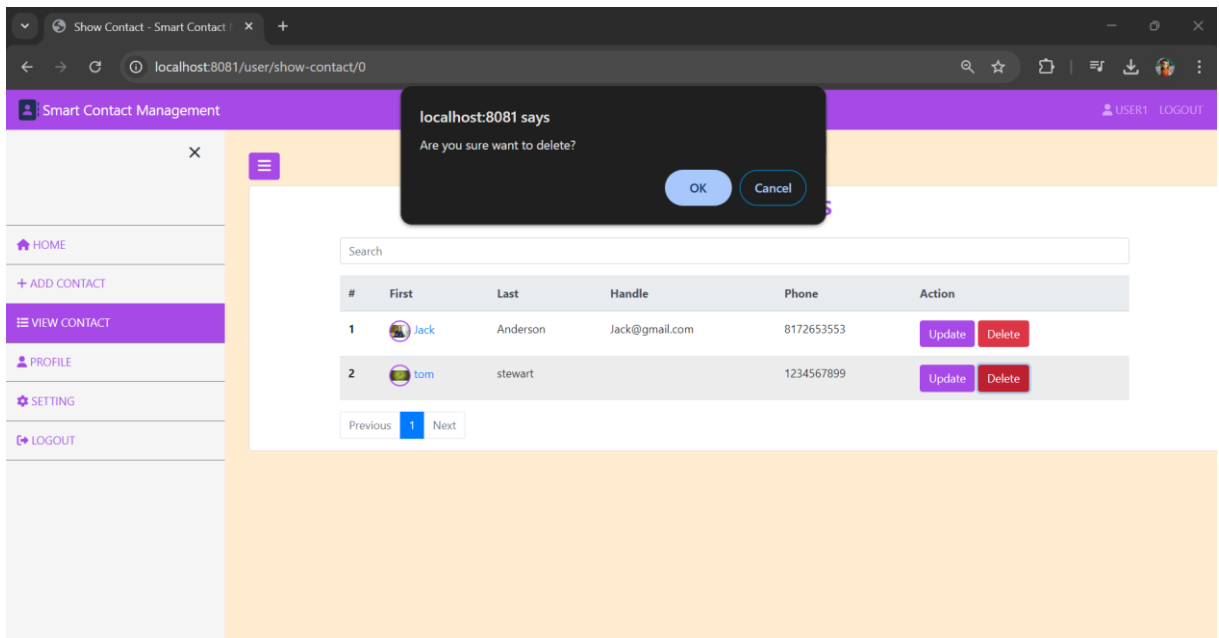
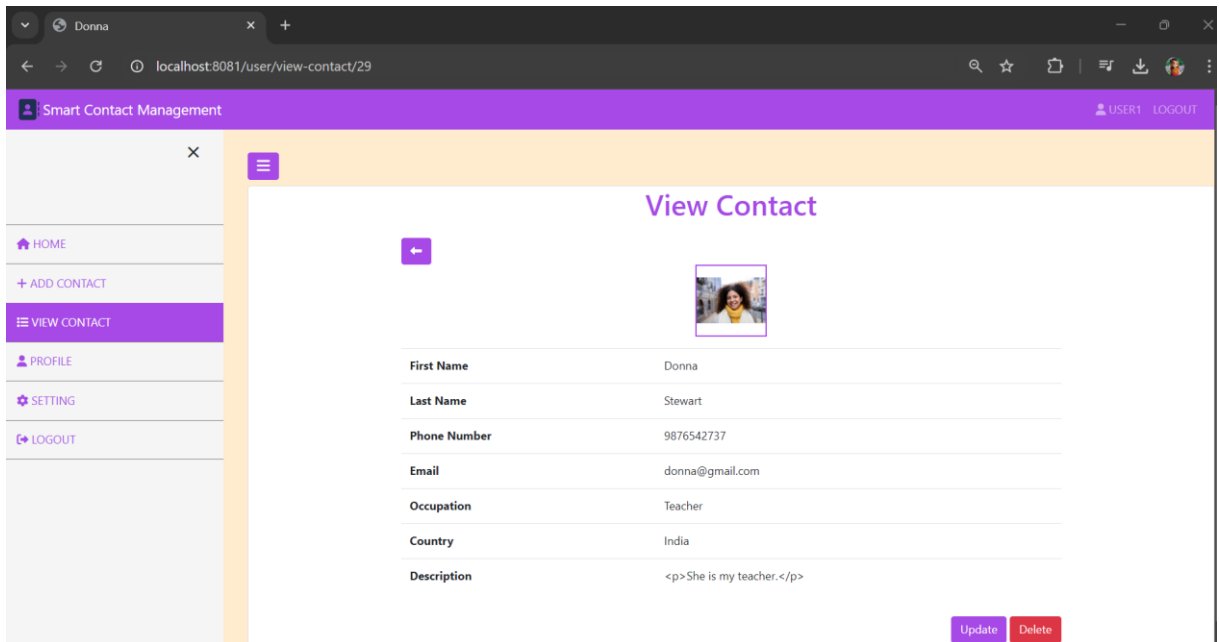
The screenshot shows the 'Contact Details' view in the Smart Contact Management application. The view is titled 'Contact Details' and is located in the main content area. It features a search bar at the top. Below the search bar is a table with columns: #, First, Last, Handle, Phone, and Action. The table contains three rows of contact data. At the bottom of the table are 'Previous', '1', and 'Next' navigation buttons. The left sidebar contains navigation links: HOME, ADD CONTACT, VIEW CONTACT, PROFILE, SETTING, and LOGOUT. The top navigation bar shows the application name 'Smart Contact Management' and user information 'USER1' and 'LOGOUT'.

#	First	Last	Handle	Phone	Action
1	Donna	Stewart	donna@gmail.com	9876542737	<button>Update</button> <button>Delete</button>
2	Jack	Anderson	Jack@gmail.com	1213392225	<button>Update</button> <button>Delete</button>
3	tom	stewart		1234567899	<button>Update</button> <button>Delete</button>

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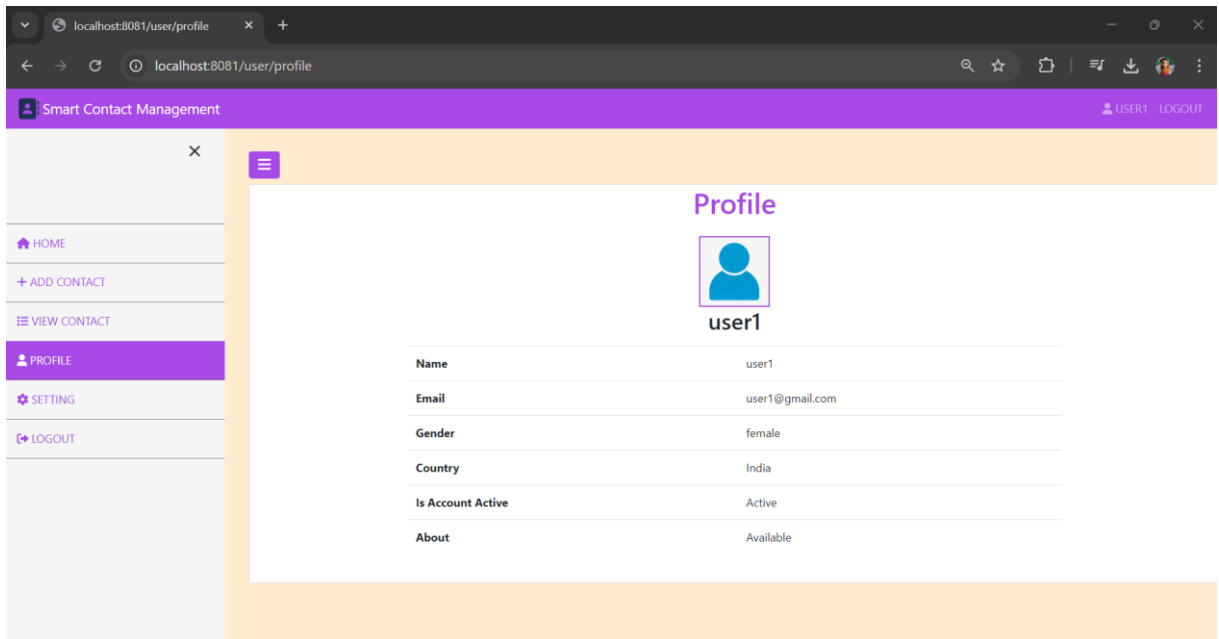


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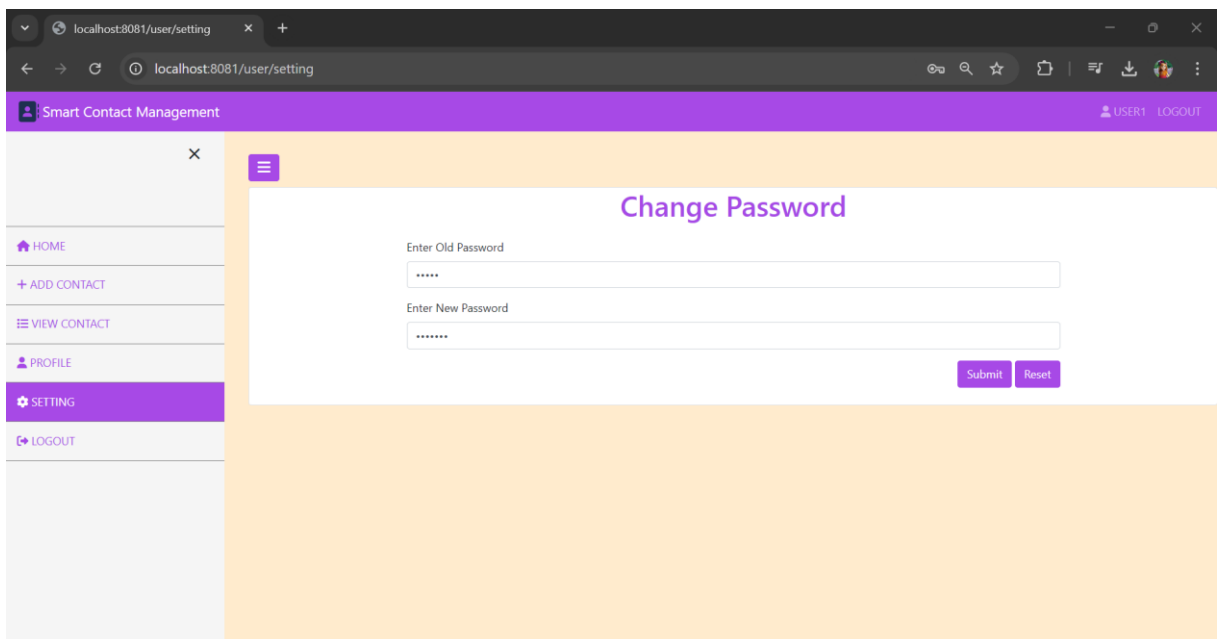


4. Profile Page – this shows the user profile.

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5. Setting Page – this helps user to change the password.



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6. Logout – this help user to successfully logout.

