

Requirements Document for Information Collection Application

1. Introduction

The Information Collection Application is a web-based application designed to collect and display user information. It allows users to input various personal details including email, phone number, address, city name, state name, driving license number, and vehicle number. The application stores the data in a session to enable viewing and retrieval.

2. Functional Requirements

2.1 Input Form

The application shall provide a user-friendly input form with the following fields:

- Email: Text field for email input.
- Phone Number: Text field for 10-digit phone number input.
- Address: Text field for the user's address input.
- City Name: Text field for the user's city name input (maximum 20 characters).
- State Name: Text field for the user's state name input.
- Driving License Number: Text field for the user's driving license number input (1-character alphanumeric value).
- Vehicle Number: Text field for 6-digit vehicle number input.

2.2 Data Validation

The application shall validate the input data for the following criteria:

- Phone Number: Accept 10-digit numeric input only.
- State Name: Limit input to 20 characters.

- Driving License Number: Accept 15-character alphanumeric input only.
- Vehicle Number: Accept 6-digit numeric input only.

2.3 Data Storage

The application shall store the collected information in the session storage of the user's browser.

2.4 Display Table

The application shall display the stored information in a tabular format on the same page below the input form.

3. Non-Functional Requirements

3.1 User Interface

The application shall have a simple and modern user interface with a cream-colored background and shadow effects for a clean and aesthetic appearance. The input form and table display shall be responsive and well-organized within the web page.

3.2 Security

The application shall ensure data security by using client-side session storage without involving any server-side data processing.

3.3 Performance

The application shall perform efficiently and respond promptly to user interactions, ensuring a seamless user experience during data input and display.