**Read me instructions**

1. **Set up XAMPP with MySQL database.**
2. **Create the backend API using PHP.**
3. **Build the frontend with AngularJS.**

**Step 1: Set up XAMPP with MySQL Database**

1. **Install XAMPP**: Download and install XAMPP
2. **Start MySQL & Apache**: Open the XAMPP control panel and start the Apache and MySQL services.

**Create MySQL Database and Table**

1. Open **phpMyAdmin** (usually accessible at http://localhost/phpmyadmin/).
2. Create a database named customer\_db.
3. Create a table named customers with fields to capture customer details.

CREATE DATABASE customer\_db;

USE customer\_db;

CREATE TABLE customers (

id INT(11) AUTO\_INCREMENT PRIMARY KEY,

first\_name VARCHAR(100) NOT NULL,

last\_name VARCHAR(100) NOT NULL,

email VARCHAR(100) NOT NULL,

phone\_number VARCHAR(15),

address TEXT

);

**Step 2: Backend API using PHP**

Create a folder for the project in the htdocs folder of your XAMPP installation (e.g., C:\xampp\htdocs\customerApp). Copy the folder and replace it.

**2.1 config.php for Database Connection**

**2.2 customerApi.php for Handling CRUD Operations**

**Step 3: Frontend with AngularJS**

1. htdocs/customerApp for your AngularJS files.
2. Install **AngularJS** by linking it via CDN in your HTML file.

**3.1 index.html**

**3.2 app.js**

**Final Remarks:**

* **Validation**: We’ve added basic validation for required fields (first\_name, last\_name, email). You can add more validation rules (e.g., regex for phone numbers).
* **Backend Validation**: Ensure proper validation on the backend in customerApi.php (e.g., check if the email already exists, phone number format, etc.).
* **CRUD Operations**: The AngularJS app allows creating, editing, and deleting customers. Each action triggers the appropriate API method.

Now, open your browser and navigate to http://localhost/customerApp/ to view the CRUD application for managing customer profiles.