

User Management CRUD Application

A full-stack web application built using React.js, .NET Core (Web API), and MySQL. It allows users to input, view, update, and delete personal information such as name, address, state, district, date of birth, and preferred language.

➤ Features

- Add new users with details
- View users in a tabular format
- Edit existing user details
- Delete users
- Real-time updates using Axios API calls

➤ Tech Stack

Layer	Technology
Frontend	React.js
Backend	ASP.NET Core (C#)
Database	MySQL
ORM	Entity Framework
Styling	Inline CSS

➤ Project Structure

----- Getting Started -----

1. Setup MySQL Database

Open MySQL Workbench or your CLI and run:

```
--- sql

CREATE DATABASE userdetailsdb;

USE userdetailsdb ;

CREATE TABLE Users (

    Id INT AUTO_INCREMENT PRIMARY KEY,

    Name VARCHAR(100),

    Address VARCHAR(255),
```

```
State VARCHAR(100),  
District VARCHAR(100),  
DateOfBirth DATE,  
Language VARCHAR(50)  
);
```

2. Backend Setup (.NET Core)

```
cd UserApi  
dotnet restore  
dotnet run
```

- **Make sure appsettings.json has correct MySQL config:**

```
-----  
"ConnectionStrings": {  
  "DefaultConnection":  
    "server=localhost;database=userdetailsdb;user=root;password=root;"  
}
```

API Endpoints:

- GET /api/Users
- POST /api/Users
- PUT /api/Users/{id}
- DELETE /api/Users/{id}

3. Frontend Setup (React)

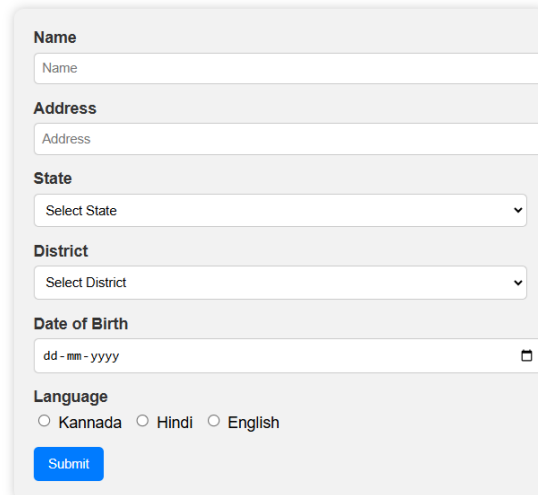
```
cd user-crud  
npm install  
npm start
```

```
-----  
Frontend runs on http://localhost:3000
```

Make sure backend (http://localhost:5239) is running before you test the form.

➤ Screenshots

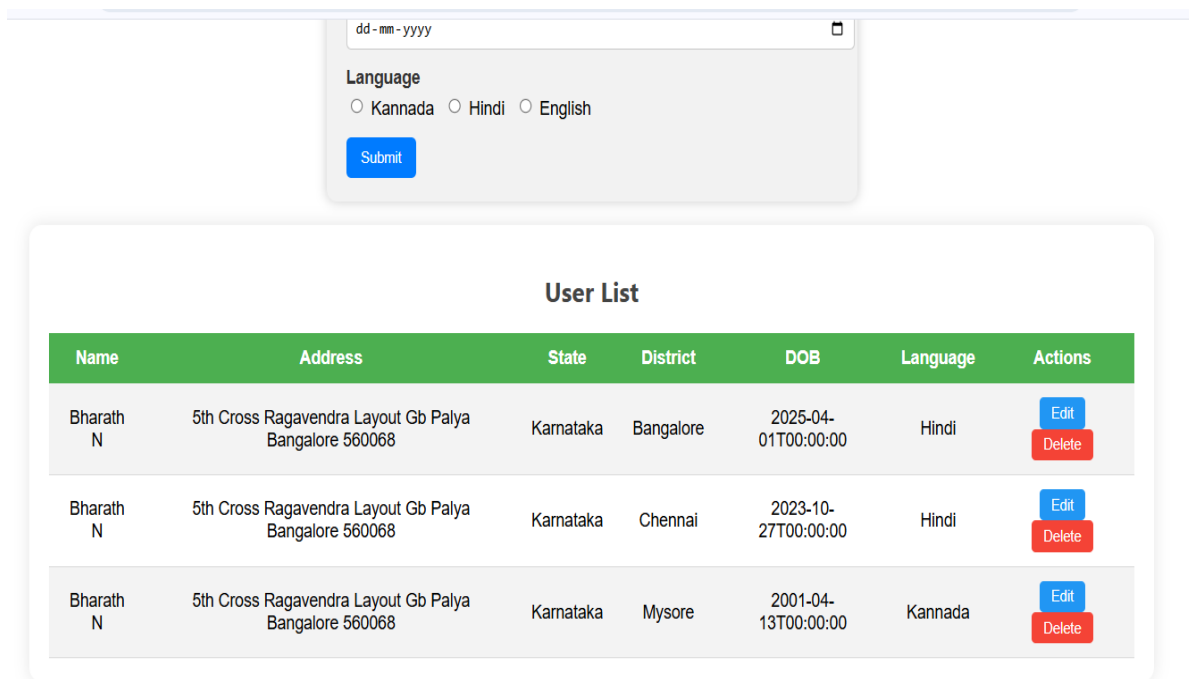
User Management



A form for user management with the following fields:

- Name**: Text input field.
- Address**: Text input field.
- State**: Dropdown menu with "Select State" as the placeholder.
- District**: Dropdown menu with "Select District" as the placeholder.
- Date of Birth**: Date input field with format "dd - mm - yyyy" and a calendar icon.
- Language**: Radio buttons for "Kannada", "Hindi", and "English".
- Submit**: Blue button.

(1) Form image



A table titled "User List" showing user details. Above the table is a date input field with format "dd - mm - yyyy" and a calendar icon.

Name	Address	State	District	DOB	Language	Actions
Bharath N	5th Cross Ragavendra Layout Gb Palya Bangalore 560068	Karnataka	Bangalore	2025-04-01T00:00:00	Hindi	Edit Delete
Bharath N	5th Cross Ragavendra Layout Gb Palya Bangalore 560068	Karnataka	Chennai	2023-10-27T00:00:00	Hindi	Edit Delete
Bharath N	5th Cross Ragavendra Layout Gb Palya Bangalore 560068	Karnataka	Mysore	2001-04-13T00:00:00	Kannada	Edit Delete

(2) User List image

Name

Address

State

Karnataka

District

Mysore

Date of Birth

dd - mm - yyyy

Language

☒ Kannada

☐ Hindi

☐ English

Update

(3) Update the User list

User List						
Name	Address	State	District	DOB	Language	Actions
Bharath N	5th Cross Ragavendra Layout Gb Palya Bangalore 560068	Karnataka	Mysore	2001-04-13T00:00:00	Kannada	<div>Edit</div> <div>Delete</div>
pooja	lakshmi layout	Karnataka	Bangalore	1999-03-15T00:00:00	Kannada	<div>Edit</div> <div>Delete</div>
Soujanaya	belagodi	Karnataka	Belagam	2001-05-05T00:00:00	Kannada	<div>Edit</div> <div>Delete</div>
girija H	Honnali	Karnataka	Shivamogga	1973-03-23T00:00:00	Kannada	<div>Edit</div> <div>Delete</div>
Nagendra H S	Hanasoge	Karnataka	Mysore	1973-06-25T00:00:00	Kannada	<div>Edit</div> <div>Delete</div>

(4) Before deleting the records

State

Select State

District

Select District

Date of Birth

dd - mm - yyyy

Language

☐ Kannada
☐ Hindi
☐ English

Submit

User List

Name	Address	State	District	DOB	Language	Actions
No users found!						

(5) After deleting the records

➤ Folder Structure

frontend/ → React frontend

```

|
|-- src/
|   |-- components
|   |   |-- UserForm.js
|   |   |-- UserTable.js
|   |-- app.js
|   |-- index.js
|   |-- api.js

```

backend/ → .NET Core backend

```

|
|-- Controllers/
|   |-- UsersController.cs
|-- Models/
|   |-- User.cs
|-- Data/
|   |-- UserDbContext.cs
|-- appsettings.json
|-- Program.cs

```

Database/ → backend

```

|-- schema.sql

```

➤ **Author**

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===== Thank you =====