

MERN Project for Wathare InfoTech Solutions

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User Management System

A MERN (MongoDB, Express.js, React.js, Node.js) project on User Management System is a full-stack web application designed to handle the management of users. It allows users to perform various tasks related to user management, such as creating new users, updating user information, deleting users, and displaying a list of all users.

Also the task required to export all the user data into a csv file, so that it can be easy to process in excel document.

User Manager

About SaurabhProject's Github LinkContact

New User

Export Data

Sr.No.	Name	@Email	Gender	Status	Action
1	Utkarsh Potdukhe	utkarsh16potdukhe@gmail.com	Male	Active	<div><div></div><div></div></div>
2	Sourabh Wathare	ceo@wathare.com	Male	Active	<div><div></div><div></div></div>

Here's an overview of the key components and functionalities of a MERN-based User Management System:

1. Frontend (React.js):

- **User Interface:** The frontend is built using *React.js*, a popular JavaScript library for building user interfaces. It provides an interactive and responsive interface where users can interact with the application.

- **Components:** The application is divided into reusable and modular components like *UserList*, *UserForm*, *UserDetail*, etc., making it easier to manage and maintain the codebase.


- **Routing:** *React Router* is used for handling client-side routing, enabling navigation between different views of the application.









2. Backend (Node.js with Express.js):

- **API Endpoints:** The backend is responsible for handling HTTP requests from the frontend. It provides API endpoints for CRUD (Create, Read, Update, Delete) operations on user data.

- **Data Storage:** *MongoDB*, a NoSQL database, is used to store user data. It allows flexible schema design and seamless integration with *Node.js*.

- **Express.js:** It is a web application framework for *Node.js* that simplifies handling routes, middleware, and other backend functionalities.

New User 

Sr.No.	Name	@Email	Gender	Status	Action	
1	Utkarsh Potdukhe	utkarsh16potdukhe@gmail.com	Male	Active		
2	Sourabh Wathare	ceo@wathare.com	Male	Active		
3	Mr. Narendra Modi	nModi@gmail.com	Male	Active		
4	Saurabh Potdukhe	potdukhe12@gmail.com	Male	Active		

Export Data

UMS is simply a best way to add user data & export it into CSV file.

3. Database (MongoDB):

- *User Collection: The MongoDB database stores user-related information in a collection. Each user document contains fields like name, email, password, role, etc.*

4. Functionality:

- *Create User: Users can fill out a form to add new users to the system. Upon submission, the data is sent to the backend, which then stores it in the MongoDB database.*

- *Read User: Users can view a list of all registered users in the system. Clicking on a user's entry displays detailed information about that specific user.*

- *Update User: Users can edit the information of existing users through a form. The updated data is then sent to the backend, which updates the corresponding user in the database.*

- *Delete User: Users can delete user entries from the system. The backend removes the user from the database upon receiving the delete request.*

5. Error Handling and Validation:

- *The application should implement proper error handling and validation to ensure that data is correctly entered and processed.*

6. User Interface Design:

- *The user interface can be designed to be user-friendly, intuitive, and visually appealing using CSS frameworks like Bootstrap or Material-UI.*

Conclusion

Overall, a MERN-based User Management System is a comprehensive application that showcases the capabilities of the MERN stack and demonstrates how it can be used to build a complete web application for managing user data efficiently and securely. It serves as a solid foundation for more complex systems with additional features and functionalities.

Screen Shots of the Project

Home Page:

User Manager

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New User 

Export Data

Sr.No.	Name	@Email	Gender	Status	Action
1	Utkarsh Potdukhe	utkarsh16potdukhe@gmail.com	Male	Active	 
2	Sourabh Wathare	ceo@wathare.com	Male	Active	 

New User Page:

User Manager

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New User

Use the below form to create a new account

Name

Sourabh Wathare

Email

Founder@wathare.com

Gender

☒ Male ☐ Female

Status





☒ Active ☐ Inactive

Save

Features:

Export to CSV file

Export Data

mail	Gender	Status	Action
ne@gmail.com	Male	Active	 
are.com	Male	Active	 

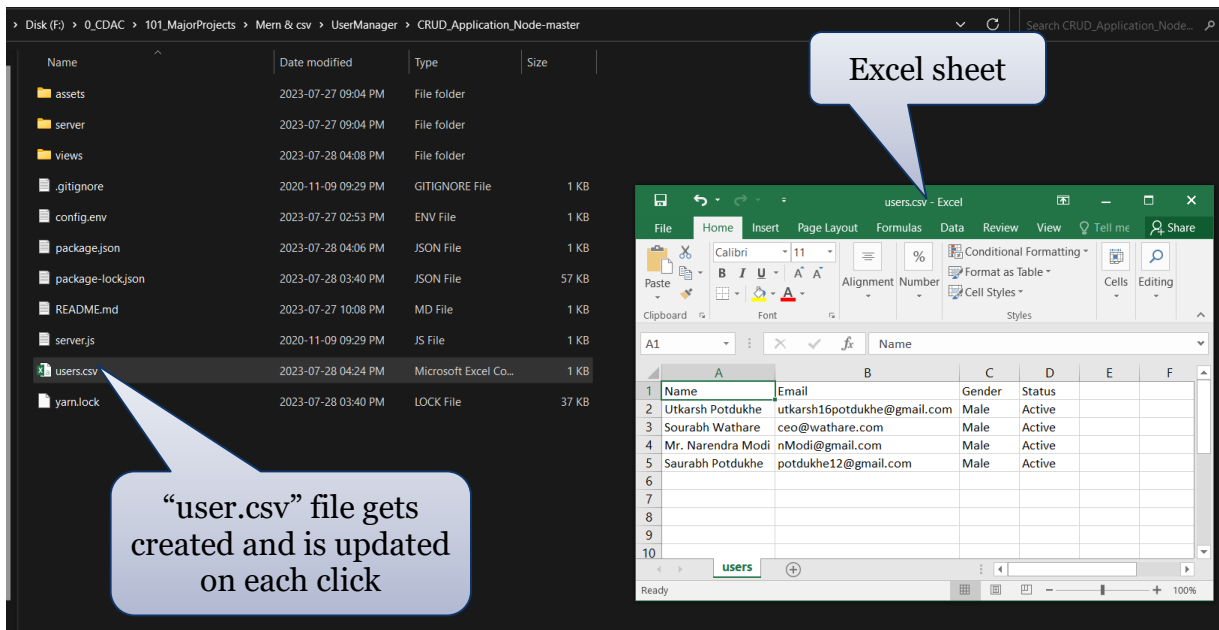
Edit a record

Delete a record

Export to CSV file:

Excel sheet

“user.csv” file gets created and is updated on each click



users.csv - Excel

Name	Email	Gender	Status
Utkarsh Potdukhe	utkarsh16potdukhe@gmail.com	Male	Active
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Mr. Narendra Modi	nModi@gmail.com	Male	Active
Saurabh Potdukhe	potdukhe12@gmail.com	Male	Active

**Thank you
for your time.**