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Github Link: <https://github.com/rethnabala/Task-Manager-Application>

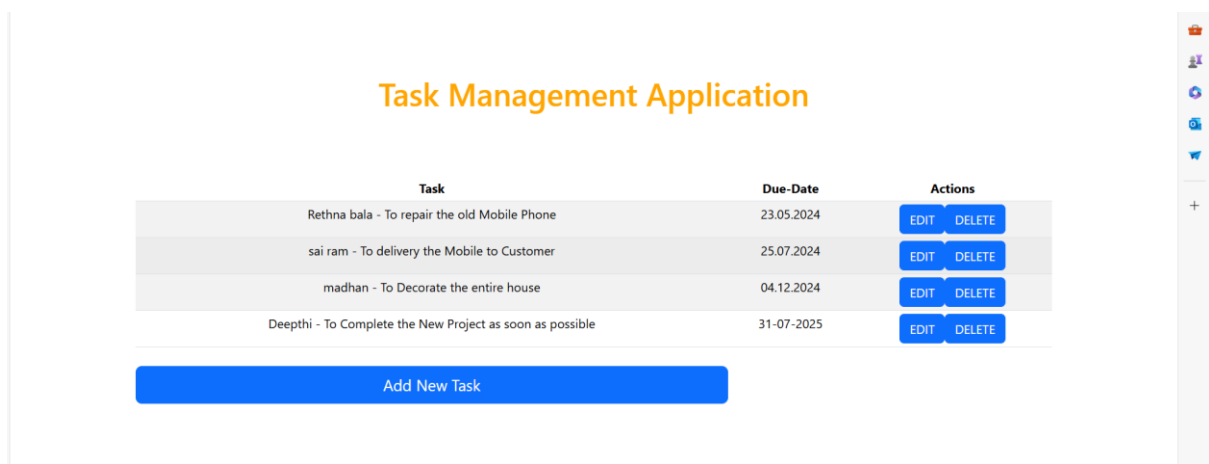
## Assingment - Fullstack Developer

# Task Management Application

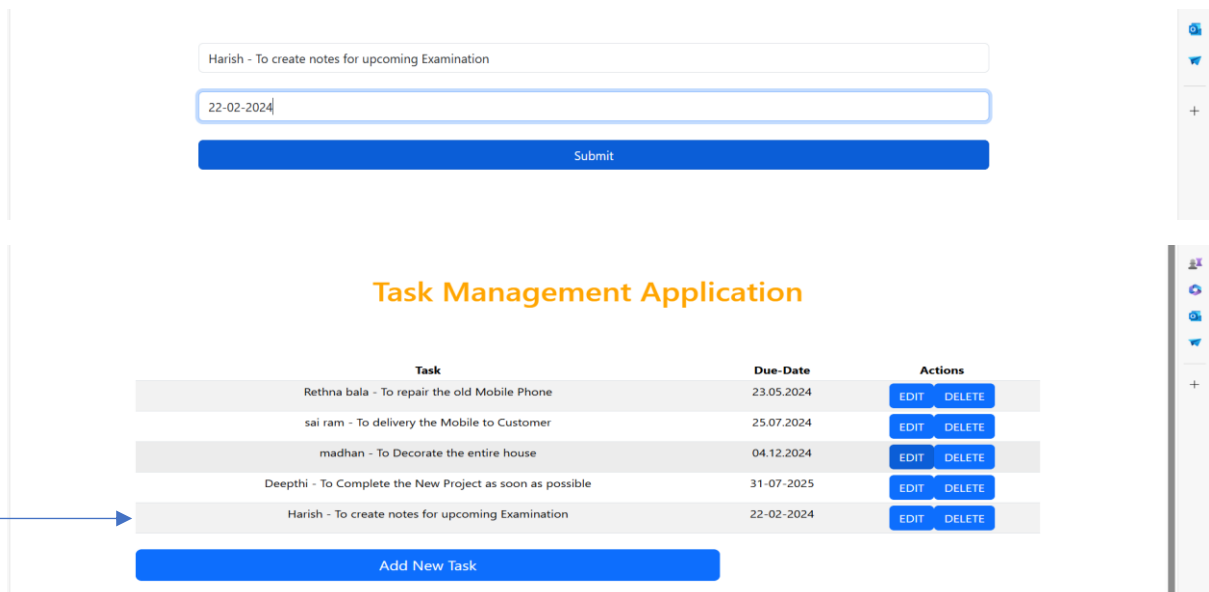
## Introduction:

I developed a Task Management Application using React.js for the front-end and a RESTful API for the back-end. We can use it to create, view, update, and delete tasks with a responsive design for both desktop and mobile devices.

## Snaps:



## Add Harish task:



Edit Task:

Madhan - To Decorate the entire house with wall Paintings.

04.12.2024

Update

Task Management Application

Task	Due-Date	Actions	
Rethna bala - To repair the old Mobile Phone	23.05.2024	EDIT	DELETE
sai ram - To delivery the Mobile to Customer	25.07.2024	EDIT	DELETE
Madhan - To Decorate the entire house with wall Paintings.	04.12.2024	EDIT	DELETE
Deepthi - To Complete the New Project as soon as possible	31-07-2025	EDIT	DELETE
Harish - To create notes for upcoming Examination	22-02-2024	EDIT	DELETE

Add New Task

Add Adhav and Raghul,SivaramTask:

Adhav - To collect Exam fees for End semester Examination

10-10-2024

Submit

Raghul - To Distribute the Hall ticket to the Students

23-09-2024

Submit

Sivaram - To Correct the exam paper and update results in webportal.

19-12-2024

Submit

## Task Management Application

Task	Due-Date	Actions	
Rethna bala - To repair the old Mobile Phone and replace the old Battery.	23.05.2024	EDIT	DELETE
sai ram - To delivery the Mobile to Customer.	25.07.2024	EDIT	DELETE
Madhan - To Decorate the entire house with wall Paintings.	04.12.2024	EDIT	DELETE
Deepthi - To Complete the New Project as soon as possible.	31-07-2025	EDIT	DELETE
Harish - To create notes for upcoming Examination.	22-02-2024	EDIT	DELETE
Adhav - To collect Exam fees for End semester Examination.	10-10-2024	EDIT	DELETE
Raghul - To Distribute the Hall ticket to the Students.	30-09-2024	EDIT	DELETE
Sivaram - To Correct the exam paper and update results in webportal.	19-12-2024	EDIT	DELETE

Add New Task

### Delete Harish Task:

## Task Management Application

Task	Due-Date	Actions	
Rethna bala - To repair the old Mobile Phone and replace the old Battery.	23.05.2024	EDIT	DELETE
sai ram - To delivery the Mobile to Customer.	25.07.2024	EDIT	DELETE
Madhan - To Decorate the entire house with wall Paintings.	04.12.2024	EDIT	DELETE
Deepthi - To Complete the New Project as soon as possible.	31-07-2025	EDIT	DELETE
Harish - To create notes for upcoming Examination.	22-02-2024	EDIT	DELETE
Adhav - To collect Exam fees for End semester Examination.	10-10-2024	EDIT	DELETE
Raghul - To Distribute the Hall ticket to the Students.	30-09-2024	EDIT	DELETE
Sivaram - To Correct the exam paper and update results in webportal.	19-12-2024	EDIT	DELETE

Add New Task

### Harish Task Deleted:

## Task Management Application

Task	Due-Date	Actions	
Rethna bala - To repair the old Mobile Phone and replace the old Battery.	23.05.2024	EDIT	DELETE
sai ram - To delivery the Mobile to Customer.	25.07.2024	EDIT	DELETE
Madhan - To Decorate the entire house with wall Paintings.	04.12.2024	EDIT	DELETE
Deepthi - To Complete the New Project as soon as possible.	31-07-2025	EDIT	DELETE
Adhav - To collect Exam fees for End semester Examination.	10-10-2024	EDIT	DELETE
Raghul - To Distribute the Hall ticket to the Students.	30-09-2024	EDIT	DELETE
Sivaram - To Correct the exam paper and update results in webportal.	19-12-2024	EDIT	DELETE

Add New Task

## Code:

## Home Page:

```
import React,{Fragment} from 'react';
import {Button, Table} from 'react-bootstrap';
import "bootstrap/dist/css/bootstrap.min.css";
import Tasks from './Tasks';
import {Link,useNavigate} from 'react-router-dom';

function Home(){
  let history = useNavigate();

  const handleEdit =(id,name,date)=>{
localStorage.setItem('Name',name);
localStorage.setItem('Date',date);
localStorage.setItem('Id',id);
  }

  const handleDelete = (id) =>{
    var index = Tasks.map(function(e){
return e.id
    }).indexOf(id);
    Tasks.splice(index,1);

    history('/');
  }

  return(
    <>

    <div style={{margin:"10rem"}} >
    <h1 style={{margin:"5rem",color:'orange'}} >Task Management Application</h1>
    <Table striped border hover size="sm">

      <thead>
        <tr>
          <th>
            Task
          </th>
          <th>
            Due-Date
          </th>
          <th>
            Actions
          </th>
        </tr>
      </thead>
      <tbody>
```

```

        {
            Tasks && Tasks.length > 0
            ?
            Tasks.map((item)=>{
                return(
                    <tr>
                        <td>
                            {item.Name}
                        </td>
                        <td>
                            {item.Date}
                        </td>
                    </td>
                    <Link to={"/edit"}>
                        <Button onClick={()=> handleEdit(item.id,item.Name,item.Date)}>EDIT</Button>
                    </Link>
                    <Button onClick={()=> handleDelete(item.id)}>DELETE</Button>
                </td>
            </tr>
        )
    })
    :
    "No data available"
}

</tbody>
<br>
</br>
<Link className='d-grid gap-2' to="/create">
    <Button size="lg">Add New Task</Button>
</Link>
</Table>

</div>
</>
)
}

export default Home;

```

## Task:

```

const Tasks = [
    {
        id:"1",
        Name:"Rethna bala - To repair the old Mobile Phone",
        Date:"23.05.2024"
    }
]

```

```

    },{
      id:"2",
      Name:"sai ram - To delivery the Mobile to Customer",
      Date:"25.07.2024"
    },{
      id:"3",
      Name:"madhan - To Decorate the entire house",
      Date:"04.12.2024"
    }
  ]
}
export default Tasks;

```

## ADD TASK:

```

import React, {useState} from 'react';
import {Button,Form} from 'react-bootstrap';
import "bootstrap/dist/css/bootstrap.min.css";
import Tasks from './Tasks';
import {v4 as uuid} from "uuid";
import {Link,useNavigate} from 'react-router-dom';

function Add(){
  const [name, setName] = useState("");
  const [date, setDate] = useState("");
  let history = useNavigate();

  const handleSubmit=(e)=>{
    e.preventDefault();
    const ids = uuid();
    let uniqueId = ids.slice(0,8);

    let a= name,
    b= date;
    Tasks.push({id:uniqueId,Name : a,Date : b});
    console.log(Tasks);
    history("/");
  }
  return <div>
    <Form className="d-grid gap-2" style={{margin:"15rem"}} >
      <Form.Group className="mb-3" controlId="formName">
        <Form.Control type="text" placeholder='Enter name and Task' required onChange={(e)=>
setName(e.target.value)}>
      </Form.Control>
    </Form.Group>
    <Form.Group className="mb-3" controlId="formAge">
      <Form.Control type="text" placeholder='Enter Due-Date' required onChange={(e)=>
setName(e.target.value)}>
    </Form.Control>

```

```

        </Form.Group>
        <Button onClick={ (e) => handleSubmit(e) } type="submit">Submit</Button>
      </Form>
    </div>;
  }
export default Add;

```

## EDIT TASK:

```

import React, {useState, useEffect} from 'react';
import {Button,Form} from 'react-bootstrap';
import "bootstrap/dist/css/bootstrap.min.css";
import Tasks from './Tasks';
import {v4 as uuid} from "uuid";
import {Link,useNavigate} from 'react-router-dom';

function Edit(){
  const [name, setName] = useState("");
  const [date, setDate] = useState("");
  const [id, setId] = useState("");

  let history = useNavigate();

  var index = Tasks.map(function(e){
    return e.id
  }).indexOf(id);

  const handleSubmit =(e)=>{
    e.preventDefault();

    let a = Tasks[index];
    a.Name = name;
    a.Date = date;

    history("/");
  }
  useEffect(()=>{
setName(localStorage.getItem('Name'))
setDate(localStorage.getItem('Date'))
setId(localStorage.getItem('Id'))
  },[])

  return(
    <div>
      <Form className="d-grid gap-2" style={{ margin:"15rem" }}>
        <Form.Group className="mb-3" controlId="formName">

```

```

        <Form.Control type="text" placeholder='Enter name' value={name} required
onChange={ (e) => setName(e.target.value)} >
        </Form.Control>
    </Form.Group>
    <Form.Group className="mb-3" controlId="formAge">
        <Form.Control type="text" placeholder='Enter age' value={date} required onChange={ (e) =>
setDate(e.target.value)} >
        </Form.Control>
    </Form.Group>
    <Button onClick={ (e) => handleSubmit(e)} type="submit">Update</Button>
</Form>
</div>
)
}
export default Edit;

```

## App.js :

```

import logo from './logo.svg';
import './App.css';
import Home from './components/Home';
import Add from './components/Add';
import Edit from './components/Edit';
import {BrowserRouter as Router, Route, Routes} from 'react-router-dom';
function App() {
  return (
    <div className="App">
      <Router>
        <Routes>
          <Route path="/" element={ <Home /> } />
          <Route path="/create" element={ <Add /> } />
          <Route path="/edit" element={ <Edit /> } />
        </Routes>
      </Router>
    </div>
  );
}
export default App;

```

## Conclusion:

This project highlights my full-stack development skills, combining a user-friendly React interface with a robust API for task management with Localstorage. Used Functional Components to Build React Task Manager Application.