



TO-DO LIST

-Utkarsh Jaiswal utkarshj19@gmail.com

Introduction

- Purpose:** The To-Do List web application helps users organize tasks efficiently. It allows users to create, manage, and track their daily activities in a simple and user-friendly interface
- Technology Stack:** The application is built using HTML, CSS, JavaScript for the front end, and a backend server using Node.js and Express with MongoDB for data storage.

How It Works

- **User Registration:** Users can sign up using their email and password.
- **Adding Tasks:** Users can add new tasks with a title, description, and due date.
- **Managing Tasks:** Users can mark tasks as completed, edit task details, or delete tasks.
- **Task Filtering:** Users can filter tasks based on their status (all, completed, pending).
- **Data Persistence:** All tasks are stored in a MongoDB database, ensuring data persistence across sessions.

Uses

- Personal Task Management:** Helps users keep track of their personal tasks and deadlines.
- Work Task Management:** Assists in managing work-related tasks, ensuring productivity and meeting deadlines.
- Collaborative Projects:** Can be used to assign tasks within a team, keeping everyone informed of their responsibilities.

Advantages

- **User-Friendly Interface:** Simple and intuitive design makes it easy for users to navigate and manage tasks.
- **Accessibility:** Accessible from any device with internet access.
- **Productivity Boost:** Helps users stay organized and focused, enhancing productivity.
- **Data Security:** Secure user authentication and data storage.

Disadvantages

- **Dependency on Internet:** Requires internet access for full functionality.
- **Limited Offline Capabilities:** Tasks cannot be added or managed offline.
- **User Engagement:** Requires users to regularly update and check their tasks to be effective.

Future Scope

- **Mobile Application:** Develop a mobile app for better accessibility and offline capabilities.
- **Integration with Calendars:** Integrate with Google Calendar or Outlook for automatic task scheduling and reminders.
- **Collaboration Features:** Add features for team collaboration, such as task assignments and progress tracking.
- **Advanced Analytics:** Provide users with analytics on their task completion patterns and productivity.