

TO DO LIST APPLICATION

A MINI PROJECT REPORT

Submitted by

Group: G4

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ABSTRACT

To-Do List Application

A to-do list application is a digital tool designed to help users organize, prioritize, and track tasks efficiently. It provides a simple and intuitive interface for creating, editing, and deleting tasks while offering features such as categorization, due dates, reminders, and progress tracking. The primary goal of a to-do list is to enhance productivity, minimize forgetfulness, and support time management by ensuring tasks are completed in a timely and organized manner. Advanced implementations may include synchronization across devices, collaboration features, and integration with calendars or productivity apps. A well-designed to-do list empowers users to stay focused, reduce stress, and achieve their personal or professional goals effectively.

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INTRODUCTION

Introduction to Our To-Do List Platform

Our to-do list platform, built using HTML, CSS, and JavaScript, is designed to provide users with a simple, interactive, and efficient way to manage their daily tasks. This platform leverages modern web technologies to deliver a seamless user experience, combining a clean interface with robust functionality.

Using HTML, we structure the platform to ensure clarity and accessibility, while CSS enhances the visual appeal with an intuitive layout and styling. JavaScript powers the dynamic behavior, enabling real-time task addition, deletion, editing, and progress tracking without the need for page reloads.

The platform is user-friendly, allowing tasks to be categorized, prioritized, and marked as completed effortlessly. It includes features such as due dates, task filtering, and responsive design, ensuring compatibility across various devices. Additionally, the integration of local storage ensures that users' tasks are preserved even after closing the browser, providing a reliable and consistent experience.

This to-do list application demonstrates the potential of front-end web technologies to create practical and engaging tools. By streamlining task management, our platform empowers users to stay organized, productive, and focused on achieving their goals.

PROBLEM STATEMENT

Problem Statement for To-Do List Manager App

In today's fast-paced world, individuals and teams struggle to stay organized and manage their time effectively. Traditional methods of task tracking, such as handwritten lists or basic digital tools, often lack flexibility, prioritization, and collaboration features. This results in missed deadlines, inefficient time management, and increased stress.

The challenge is to design a user-friendly, feature-rich to-do list manager app that helps users:

1. **Organize Tasks:** Easily create, categorize, and prioritize tasks.
2. **Track Progress:** Monitor completion status and deadlines.
3. **Collaborate:** Share tasks and progress with team members or family.
4. **Adapt to Needs:** Integrate seamlessly with other productivity tools and offer customizations to suit individual preferences.
5. **Stay Notified:** Provide timely reminders to keep users on track without being intrusive.

The solution must cater to both individual users and teams, ensuring simplicity for personal use while offering advanced features for professional collaboration. This app should work across devices, ensuring that users can manage their tasks anytime, anywhere.

Technical details

The To-Do List Application is designed using modern web development practices, focusing on simplicity, interactivity, and user productivity. The platform leverages HTML5, CSS3, and JavaScript to create a dynamic and user-friendly interface.

Project Features and Technology Overview

HTML5: Structuring the Content

The To-Do List application uses HTML5 to provide a clean and semantic structure to the webpage. Key elements include:

A header that introduces the application with a title and a brief description.

An input field for users to add tasks, coupled with a button to submit them.

A task display section where all tasks are listed dynamically.

Elements such as lists (), buttons (<button>), and icons (<i>), are used to define the application's core features.

CSS3: Styling for Visual Appeal

CSS3 is utilized to enhance the user experience with a polished and modern design:

Typography: Clean, readable fonts with varying sizes for titles, tasks, and buttons.

Color Schemes: A soothing palette, such as light backgrounds with vibrant highlights, to ensure a visually appealing interface.

Animations: Subtle effects like task addition, deletion, or hover states for buttons, providing visual feedback.

Flexbox and Grid: These layout tools ensure tasks are neatly organized and responsive on devices of all sizes.

JavaScript: Core Interactivity and Functionality

JavaScript drives the application's functionality, making it an interactive tool for users. Key features include:

1. **Task Addition:** Users can add tasks dynamically using the input field. JavaScript handles the input validation and appends tasks to the list.
2. **Task Deletion:** Each task has a "delete" button, enabling users to remove tasks in real time.

Overall, the Page combines these technologies and techniques to provide a feature-rich, aesthetically pleasing, and user-centric platform, making it a comprehensive tool for people to efficiently manage their daily tasks.

Key Features

Key Features of a To-Do List Application

A well-designed To-Do List application should include the following key features:

1. Task Management

Add New Tasks: Allow users to input and add tasks to the list.

Edit Tasks: Provide functionality to edit the details of existing tasks.

Delete Tasks: Enable users to remove tasks from the list when they are no longer needed.

2. Task Status Updates

Mark as Complete: Users should be able to toggle tasks as "complete" or "incomplete."

Prioritize Tasks: Offer options to set task priorities (e.g., high, medium, low).

3. Categories and Organization

Grouping Tasks: Support for organizing tasks into categories, tags, or folders.

Search and Filter: Allow filtering tasks by categories, completion status, or keywords.

4. User-Friendly Interface

Clean Layout: A clear, minimalist design for easy navigation and usability.

Responsive Design: Ensure the app works well on different devices (mobile, tablet, desktop).

5. Interactive Features

Drag and Drop: Enable users to reorder tasks by dragging and dropping.

Animations: Use subtle animations for task addition, deletion, and status updates to enhance interactivity.

6. Interactive sign up/ registration page

Interactive and user-friendly sign in as well as contact us form to give the user insights about the app

Bonus Features

A to-do list manager is a tool or system for organizing, prioritizing, and tracking tasks. It helps users manage their time effectively by categorizing tasks, setting deadlines, and monitoring progress. Available as apps, software, or physical planners, it boosts productivity by ensuring important tasks are completed on time and efficiently.

A "Scroll to Top" option in a to-do list is a feature that allows users to quickly navigate back to the top of the list with a single click or tap. This is especially useful for long task lists, saving time and improving ease of navigation without manual scrolling.

"Connect with our business or service at any time, ensuring round-the-clock availability for support, queries, or engagement.

Advantages

Here are five advantages of using a to-do list application:

1. Enhanced Organization

To-do list apps help structure tasks into categories, priorities, and deadlines, keeping everything in one place for easy access.

2. Increased Productivity

By breaking tasks into smaller, manageable steps, users can focus on completing them efficiently, reducing procrastination.

3. Improved Time Management

Apps allow for setting reminders and deadlines, ensuring tasks are completed on time and helping allocate time effectively.

4. Accessibility and Syncing

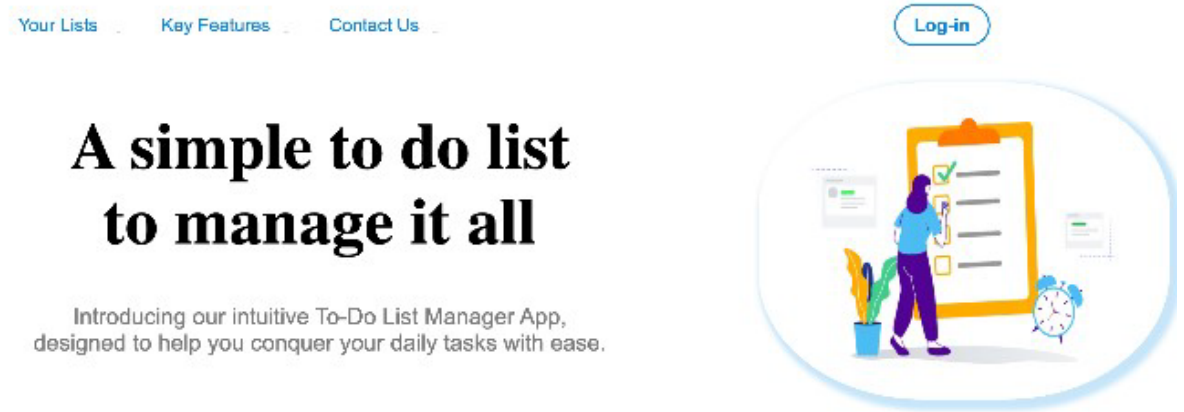
Many apps sync across devices, making it easy to access your tasks from a smartphone, tablet, or computer anywhere.

5. Progress Tracking

Marking tasks as complete provides a sense of achievement and helps users track their progress toward goals.

Results

Home page -



Code:

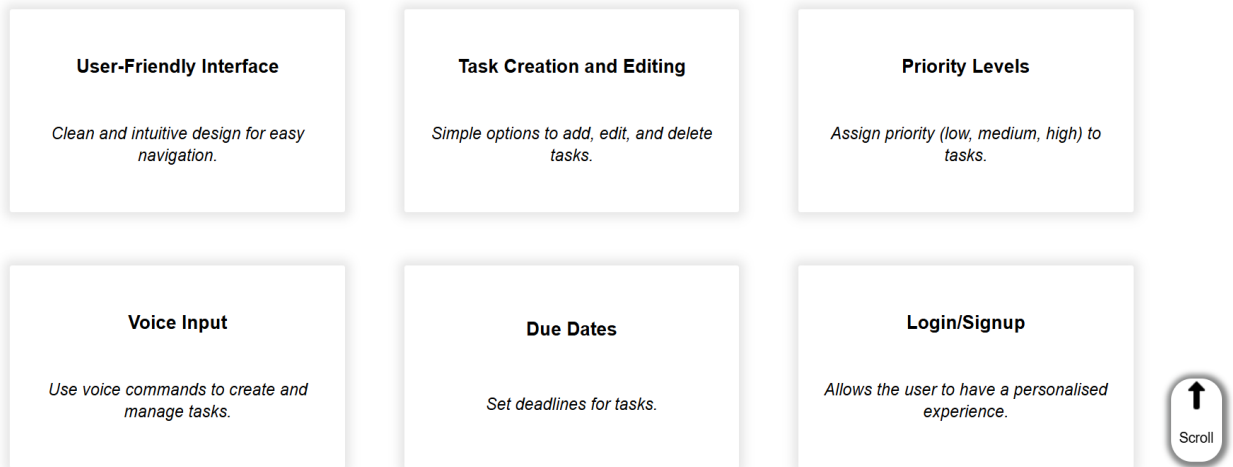
```
<div id="button-container">
  <a href="file:///C:/Users/lenovo/Desktop/Project/signin.htm#">
    <button id="list" type="button">Your Lists</button></a>
  <a href="#wrapper">
    <button id="grp" type="button">Key Features</button></a>
  <a href="#contact-info">
    <button id="grp" type="button">Contact Us</button></a>
  <a href="file:///C:/Users/lenovo/Desktop/Project/signin.htm#">
    <button id="signin" type="button"><b>Log-in</b></button></a> </div>

<div id="haha">
  <h1>
    A simple to do list <br />
    to manage it all
  </h1>
</div>
<p id="para">
  Introducing our intuitive To-Do List Manager App, <br />
  designed to help you conquer your daily tasks with ease.
</p>
```

Key features -

Key Features

To-Do List app! Effortlessly create, manage, and prioritize your tasks in one convenient place.



Code:

```
<div id="wrapper">
  <span class="title">Key Features</span>
  <div class="borderDiv"></div>
  <i class="description">
    >To-Do List app! Effortlessly create, manage, and prioritize your tasks
    in one convenient place.</i>
  >
  <div class="features">
    <div class="feature">
      <span>User-Friendly Interface</span>
      <i>Clean and intuitive design for easy navigation.</i>
    </div>
    <div class="feature">
      <span>Task Creation and Editing</span>
      <i>Simple options to add, edit, and delete tasks.</i>
    </div>
    <div class="feature">
      <span>Priority Levels</span>
      <i>Assign priority (low, medium, high) to tasks.</i>
    </div>
    <div class="feature">
      <span>Voice Input</span>
      <i>Use voice commands to create and manage tasks.</i>
    </div>
    <div class="feature">
      <span>Due Dates</span>
      <i>Set deadlines for tasks.</i>
    </div>
    <div class="feature">
      <span>Login/Signup</span>
      <i>Allows the user to have a personalised experience.</i>
    </div>
  </div>
</div>
```

Let's talk -



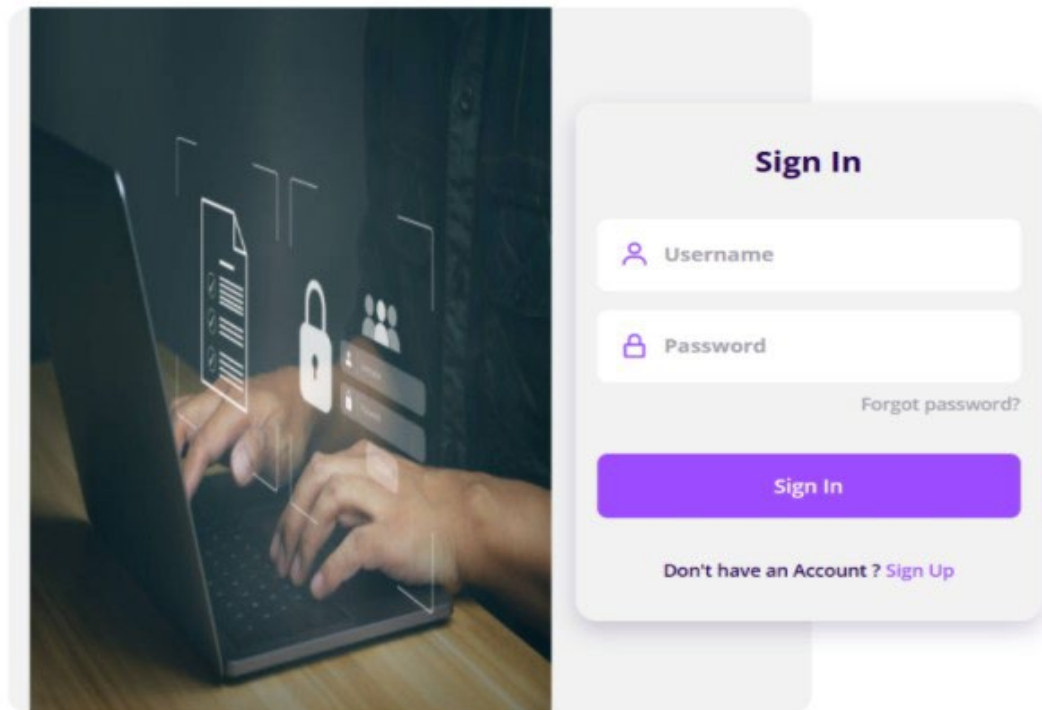
Code:

```
<div>
  <h1 id="h11">Let's Talk!</h1>
  <!-- <p id="p1">Let's Talk!</p> -->
</div>

<imgsrc="https://media.istockphoto.com/id/1351018664/video/businesswoman-standing-with-contact-us-
application.jpg?s=640x640&k=20&c=5IXMVVEoPcF5iJlO0LCGb33njMbnKpYBkvIZiYfoavY="
  id="img2"
/>

<div id="members">Our team</div>
<div id="contact-team">
  <div id="contact-team1">
    <div id="listItem">
      <div id="dot"></div>
      <div>Ayushi</div>
    </div>
    <div id="listItem">
      <div id="dot"></div>
      <div>Avneet Lamba</div>
    </div>
    <div id="listItem">
      <div id="dot"></div>
      <div>Aryan Goel</div>
    </div>
  </div>
  <div id="contact-team2">
    <div id="mailPhone">
      <a
        href="mailto:ayushi0272.becse24@chitkara.edu.in"
        id="email"
        >ayushi0272.becse24@chitkara.edu.in</a
      >
    </div>
  </div>
</div>
```

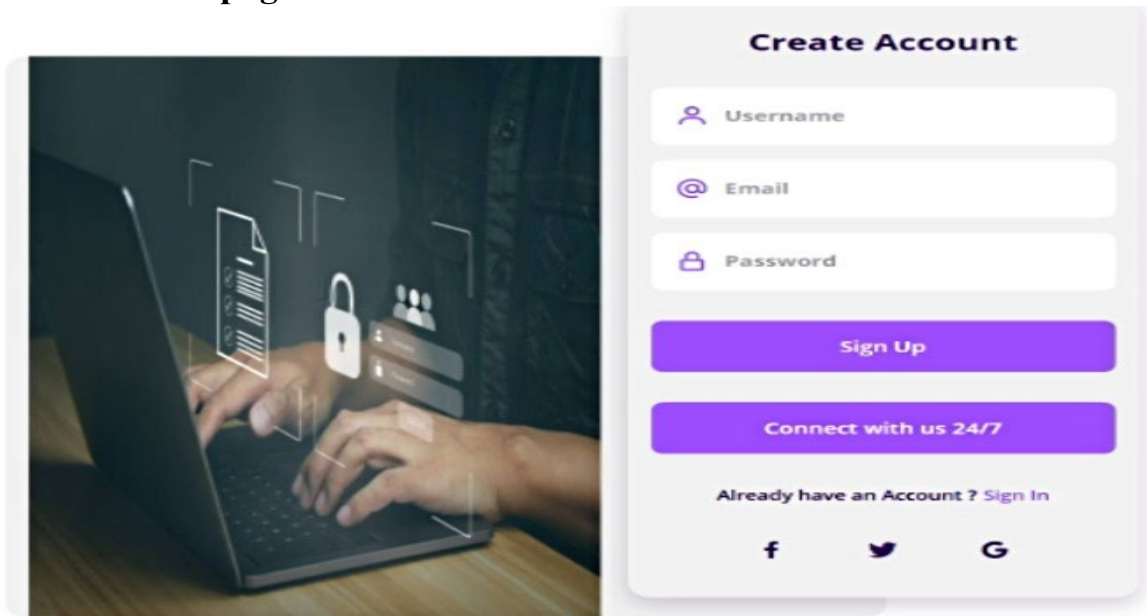
Sign-in page -



Code:

```
<div class="container1">
  <input class="box" type="text" placeholder="Username" /><br />
  <input class="box" type="password" placeholder="Password" /><br />
  <button class="loginbtn">Login</button>
</div>
<div class="container2">
  <input class="check" type="checkbox" />
  <label for="check" class="p1">Remember Me</label>
  <a href="#" class="p2"><p>Forgot Password?</p></a>
  <p>
    Not created account? |
    <a
      href="file:///C:/Users/lenovo/Desktop/Project/regis.htm"
      class="p3"
    >Create Account</a>
  </p>
  <!-- Link to registration form -->
  <hr class="bar" />
  <p class="p4">OR sign in with</p>
</div>
<div class="container3">
  
  <label class="t1" for="pic1"><a href="https://www.facebook.com/">Facebook</a></label></a>
</div>
```

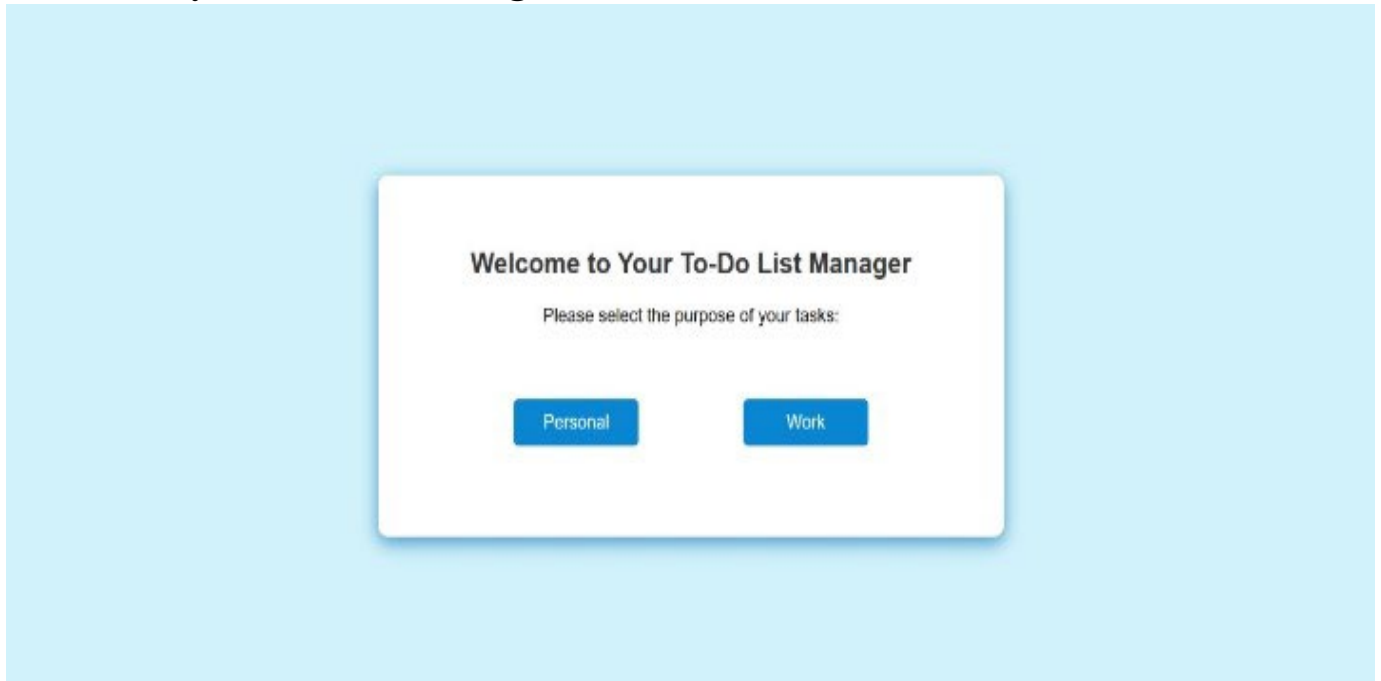
Create account page -



Code:

```
<div class="form-container">
  <h2>Register</h2>
  <form action="file:///C:/Users/lenovo/Desktop/Project/practice2.html" method="post">
    <!-- Replace 'after-register.html' with your actual target page -->
    <div class="form-group">
      <label for="username">Username</label>
      <input type="text" id="username" name="username" required />
    </div>
    <div class="form-group">
      <label for="email">Email</label>
      <input type="email" id="email" name="email" required />
    </div>
    <div class="form-group">
      <label for="password">Password</label>
      <input type="password" id="password" name="password" required />
    </div>
    <div class="form-group">
      <input type="submit" value="Register" />
    </div>
  </form>
</div>
```

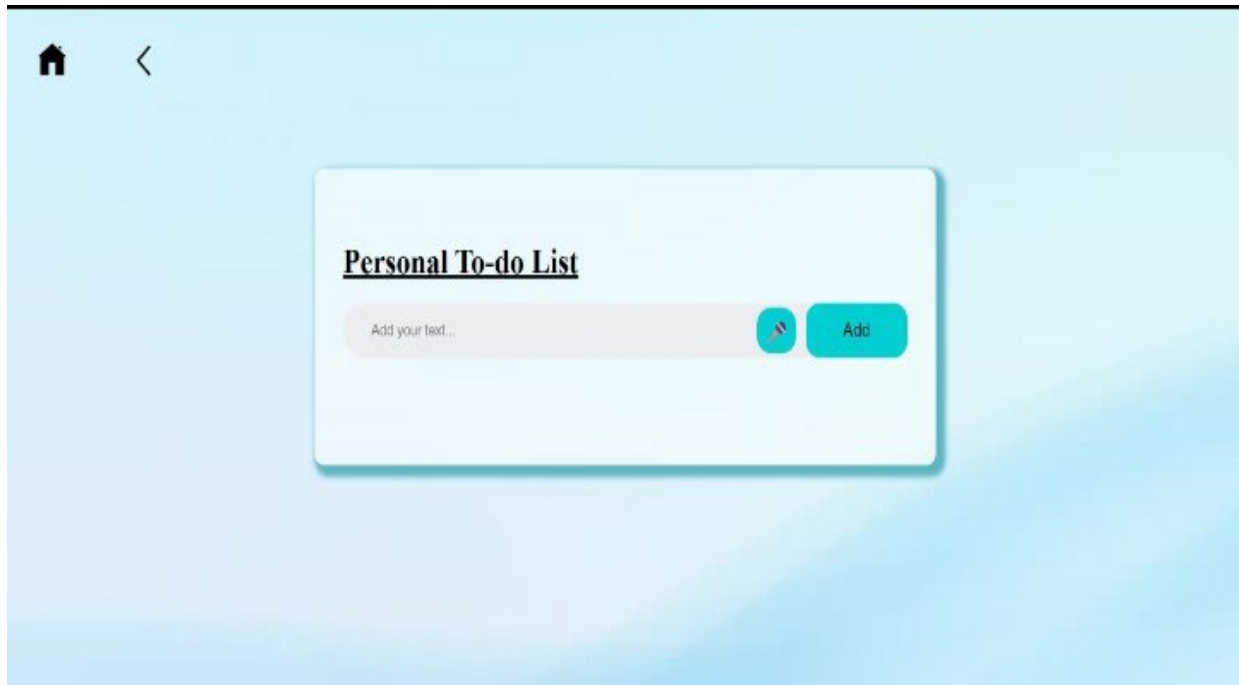
Welcome to your Todo list manager -



Code:

```
<body>
  <div class="btn-container">
    <div id="homeBtn-container">
      <a href="file:///C:/Users/lenovo/Desktop/Project/index.html"
        ><button id="homeBtn">
          </button>
        ></a>
    </div>
    <div id="backBtn-container">
      <a href="file:///C:/Users/lenovo/Desktop/Project/practice2.html"
        ><button id="backBtn">
          </button>
        ></a>
    </div>
  </div>
  <div class="container">
    <h1>Welcome to Your To-Do List Manager</h1>
    <p>Please select the purpose of your tasks:</p>
    <div class="button-group">
      <a href="file:///C:/Users/lenovo/Desktop/Project/todo.html"><button class="button personal">Personal</button></a>
      <a href="file:///C:/Users/lenovo/Desktop/Project/todo2.htm"><button class="button work">Work</button></a>
    </div>
  </div>
</body>
```

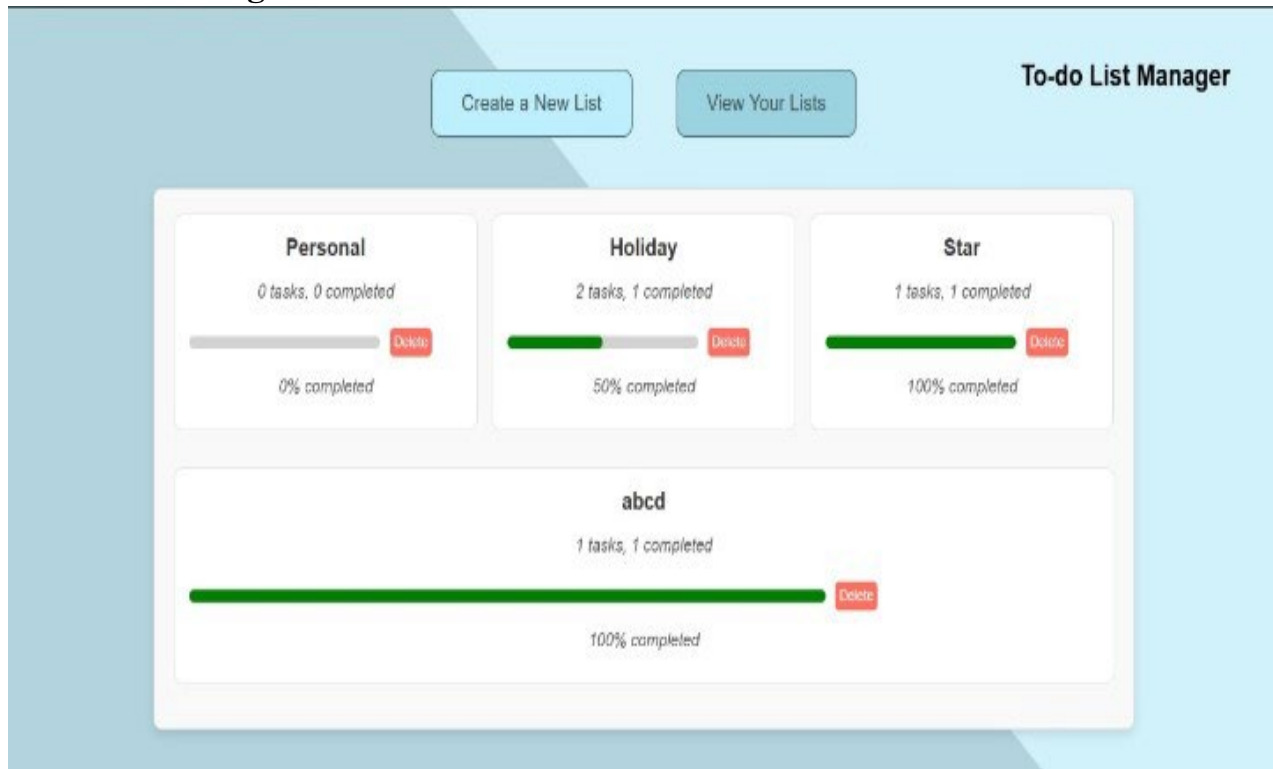

Personal todo list -



Code:

```
<div style="display: flex">
  <div id="homeBtn-container">
    <a href="file:///C:/Users/lenovo/Desktop/Project/index.html"
      ><button id="homeBtn">
        </button>
      </div>
    <div id="backBtn-container">
      <a href="file:///C:/Users/lenovo/Desktop/Project/after%20register.htm"><button id="backBtn">
        </button>
      </a>
    </div>
  </div>
</div>
<div class="todo-app">
  <h2>
    Personal To-do List
  </h2>
  
</h2>
  <div class="row">
    <input type="text" id="taskInput" placeholder="Add your text..." />
    <button id="audio-assist-btn"><img alt="audio icon" data-bbox="308 823 323 838"/></button>
    <button id="addBtn">Add</button>
  </div>
  <ul id="taskList"></ul>
</div>
```

To-do list manager -



Code:

```
function loadLists() {
  const listDropdown = document.getElementById("profile-container");
  // listDropdown.innerHTML = ""; // Clear previous entries
  const listParent = document.createElement("div");
  listParent.className = "listDropdown";
  listDropdown.appendChild(listParent);

  const lists = JSON.parse(localStorage.getItem("allLists")) || {};
  if (Object.keys(lists).length === 0) {
    listDropdown.innerHTML = "<p>No lists found.</p>";
  } else {
    Object.keys(lists).forEach((listName) => {
      const listItem = document.createElement("div");
      listItem.className = "list-item";
      listItem.textContent = listName;
      listItem.onclick = () =>
        (location.href = `new-list.html?listName=${encodeURIComponent(
          listName
        )}`);
      listParent.appendChild(listItem);
    });
  }
}
```

Personal profile-

The image shows a web form titled "Enter Your Personal Details". The form is white with a blue border and is set against a light blue background. It contains four input fields: "Your Name", "Your Email", "Enter your age", and "Write a short bio about yourself". Below these fields is a blue button labeled "Save Profile".

Code:

```
document

    .getElementById("profile-form")

    .addEventListener("submit", function (event) {

        event.preventDefault(); // Prevent form from reloading the page


        // Get form input values

        user.name = document.getElementById("name").value;

        user.email = document.getElementById("email").value;

        user.bio = document.getElementById("bio").value;


        // Display user's profile information

        document.getElementById("profile-name").textContent = user.name;

        document.getElementById("profile-email").textContent = user.email;

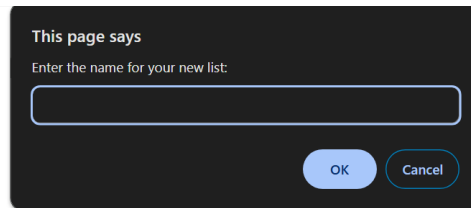
        document.getElementById("profile-bio").textContent = user.bio;


        // Switch from form to profile view

        document.getElementById("form-container").style.display = "none";

        document.getElementById("profile-container").style.display = "block";
```

Enter name for new list option-



This page says

Enter the name for your new list:

OK Cancel

Code:

```
// Get the list name from the URL or prompt user
const urlParams = new URLSearchParams(window.location.search);
const listName = urlParams.get('listName') || prompt("Enter the name for your new list:");

// Redirect if no list name is provided
if (!listName) {
  alert("List name is required!");
  window.location.href = 'index.html';
} else {
  document.querySelector("h2").textContent = `${listName} To-do List`;
}
```

References

Reference of home page : <https://www.any.do/>

Links used :

Background image :

Login page, to-do list page -

<https://media.istockphoto.com/id/1594072752/video/blue-soft-wavematerial.jpg?s=640x640&k=20&c=7cyVE-wS7SuXfPi0CIffEzXnIGRZjJoMnoFkwOSVXcM=>

To do list icon : https://cdn.pixabay.com/photo/2022/05/22/17/22/to-do-7214069_1280.png Audio assist

Button : [iconfinder.com](https://www.iconfinder.com)