



TO-DO APPLICATION

OBJECTIVE

Develop an application to manage To-do's

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Full stack web Development.

Title: Todo Manager Application Documentation

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1.Introduction

The To-do Manager application is a powerful tool designed to help users efficiently organize and manage their tasks and projects. Whether you're an individual striving for personal productivity or part of a team collaborating on multiple projects, To-do Manager provides the essential features to keep your tasks in check and stay on top of your workload.

2.Getting Started

Installation:

- how the user can create a database for the Todo Manager application

Step-by-Step Guide to Creating the Database:

1. Database Setup:

- Open your preferred database management tool (e.g., MySQL Workbench, pgAdmin for PostgreSQL, or Oracle SQL Developer for Oracle).
- Connect to your database server.

2. Creating the Tables:

- **Login table:**

```
CREATE TABLE login (  
    login-id INT AUTO_INCREMENT PRIMARY KEY,  
    username VARCHAR(50) NOT NULL,  
    password VARCHAR(255) NOT NULL  
);
```

- **Projects Table:**

```
CREATE TABLE Project (  
    project_id INT AUTO_INCREMENT PRIMARY KEY,  
    title VARCHAR(255) NOT NULL,  
    created_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

- **Todo Table:**

```
CREATE TABLE Todo (  
  todo_id INT AUTO_INCREMENT PRIMARY KEY,  
  project_id INT NOT NULL,  
  description TEXT NOT NULL,  
  status BOOLEAN NOT NULL DEFAULT FALSE,  
  created_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
  updated_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
  FOREIGN KEY (project_id) REFERENCES Project(project_id)  
);
```

Key Features:

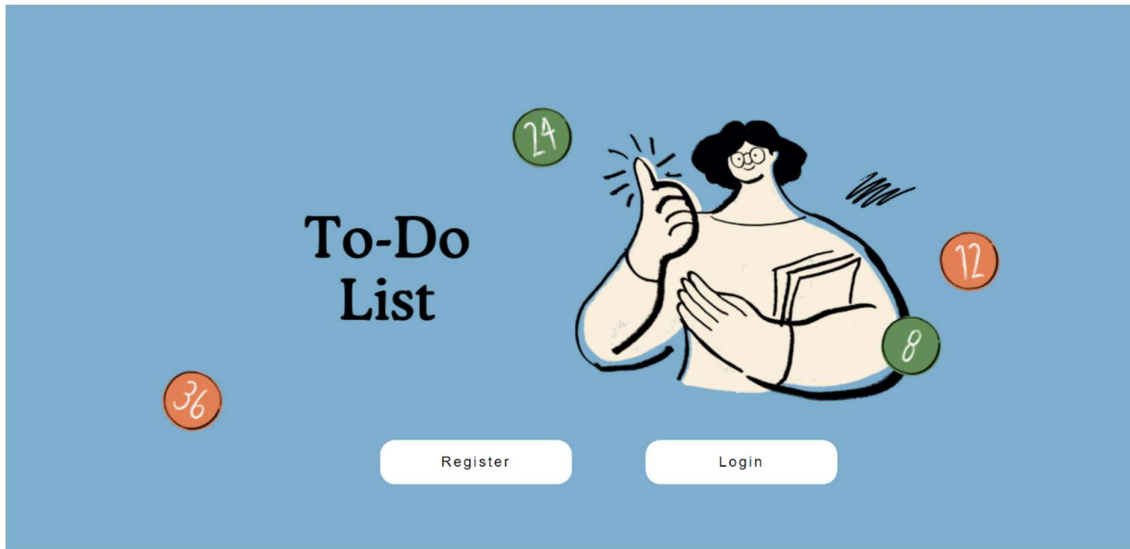
- **Project Creation:** Users can create new projects to group related tasks together, enabling better organization and clarity.
- **To-do Management:** Within each project, users can add, edit, update, delete and mark to-dos as complete.
- **User-friendly Interface:** The application features an intuitive user interface, making it easy for users to navigate and interact with their to-dos and projects.

Usage

- On the homepage, you can create a new project, list all projects, and view a project.
- Detailed project view includes the project title, list of todos with description, date, and completion status.
- Actions available include adding, updating, and removing a todo, as well as marking a todo as pending or complete
- Add tasks with due dates by filling in the task details and selecting a due date.
- Mark tasks as completed by clicking on the checkbox next to the task.
- Edit task details and project title by clicking on the edit icon and making the necessary changes.
- Delete tasks by clicking on the delete icon.

Note: After performing any operation kindly requesting return to previous page and refresh the page, the necessary changes will display.

Title Page:



User can register and Login

Register

Creating an account. Fill in your details below to get started:

: User Name

: Password

The sign-up form is set against an orange background. On the left, the text "Sign-up...." is displayed in a large, bold, black font, followed by the subtitle "Discover the key factors for unlocking your account" in a smaller, regular black font. To the right of this text is a cartoon illustration of a hand holding a white pen, as if writing. Further to the right is a white rectangular box with rounded corners containing the "Register" form. The form has the title "Register" at the top, followed by two input fields: "User Name" and "Password". Below these fields is a green "Submit" button.

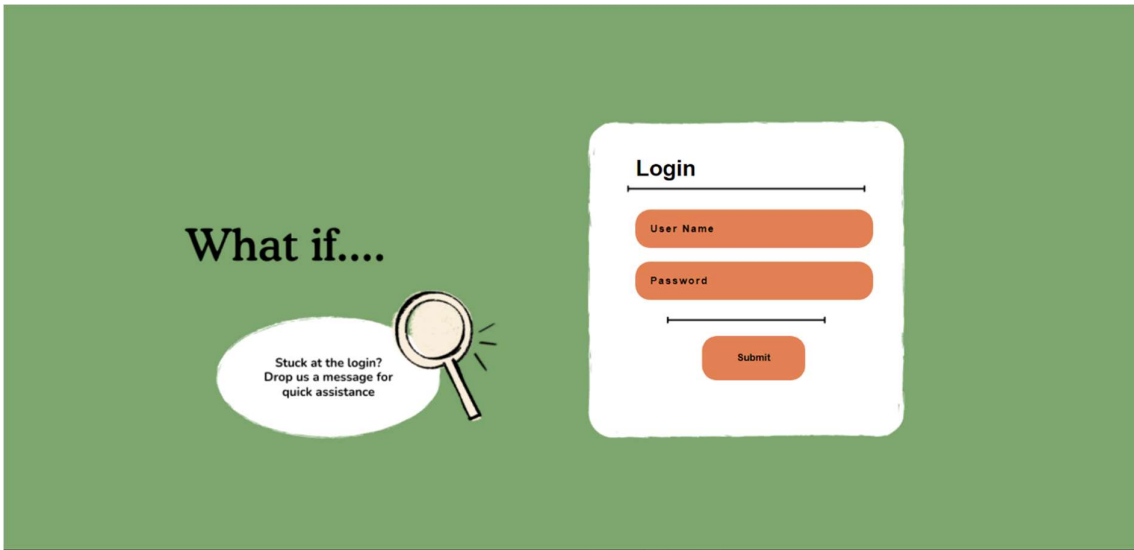
Already have an account? **Login** below.

Login Page:

Sign in to access your account.

: User Name

: Password



After valid login details it redirects into home page.

Home Page:

Stay on Track:Your Personal Project List

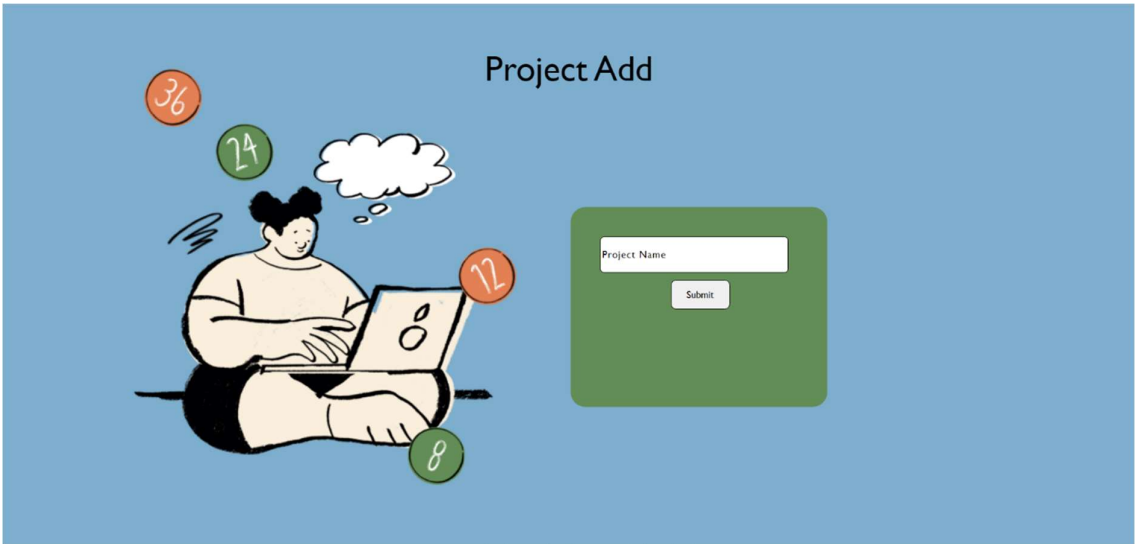
Create Project

Project Id	Title Name	Created Date	View
1	One	2024-05-04 14:08:06	>>
2	Two	2024-05-07 19:01:02	>>
3	Three	2024-05-07 19:01:45	>>
4	Four	2024-05-07 19:02:00	>>
5	Five	2024-05-09 13:01:56	>>
6	six	2024-05-09 13:14:16	>>
7	seven	2024-05-10 10:33:47	>>

Here are some actions you can take:

1. Create Project:

Start a new project by providing the necessary details. Click on the "Create Project" button to begin.



2. All Projects:

View all your projects in the table below. You can see the project name, title, created Date, and other relevant information.

Stay on Track:Your Personal Project List

Create Project

Project Id	Title Name	Created Date	View
1	One	2024-05-04 14:08:06	>>
2	Two	2024-05-07 19:01:02	>>
3	Three	2024-05-07 19:01:45	>>
4	Four	2024-05-07 19:02:00	>>
5	Five	2024-05-09 13:01:56	>>
6	six	2024-05-09 13:14:16	>>
7	seven	2024-05-10 10:33:47	>>

Note: After performing any operation kindly requesting return to previous page and refresh the page, the necessary changes will display.

3. View Project:

Click on a project view to list to-do and its details

Suppose:- Selected view on project 1

Stay on Track:Your Personal Todo List							
<div>Add To Do</div>							
ToDo Id	Project Id	Description	Status	Created Date	Updated Date	Edit	Delete
3	1	Task01	true	2024-05-04 15:03:34	2024-05-04 15:03:34	Edit	XDelete
22	1	Task3	false	2024-05-11 08:21:38	2024-05-11 08:21:38	Edit	XDelete
23	1	Task11	false	2024-05-11 08:21:52	2024-05-11 08:21:52	Edit	XDelete
24	1	Task12	false	2024-05-11 08:22:06	2024-05-11 08:22:06	Edit	XDelete
25	1	Task13	false	2024-05-11 08:22:16	2024-05-11 08:22:16	Edit	XDelete

To-Do List Page:

Here's what you can do:

Current To-Do List:

It display's all to-do list in this page.

Stay on Track:Your Personal Todo List							
<div>Add To Do</div>							
ToDo Id	Project Id	Description	Status	Created Date	Updated Date	Edit	Delete
3	1	Task01	true	2024-05-04 15:03:34	2024-05-04 15:03:34	Edit	XDelete
22	1	Task3	false	2024-05-11 08:21:38	2024-05-11 08:21:38	Edit	XDelete
23	1	Task11	false	2024-05-11 08:21:52	2024-05-11 08:21:52	Edit	XDelete
24	1	Task12	false	2024-05-11 08:22:06	2024-05-11 08:22:06	Edit	XDelete
25	1	Task13	false	2024-05-11 08:22:16	2024-05-11 08:22:16	Edit	XDelete

Note: After performing any operation kindly requesting return to previous page and refresh the page, the necessary changes will display.

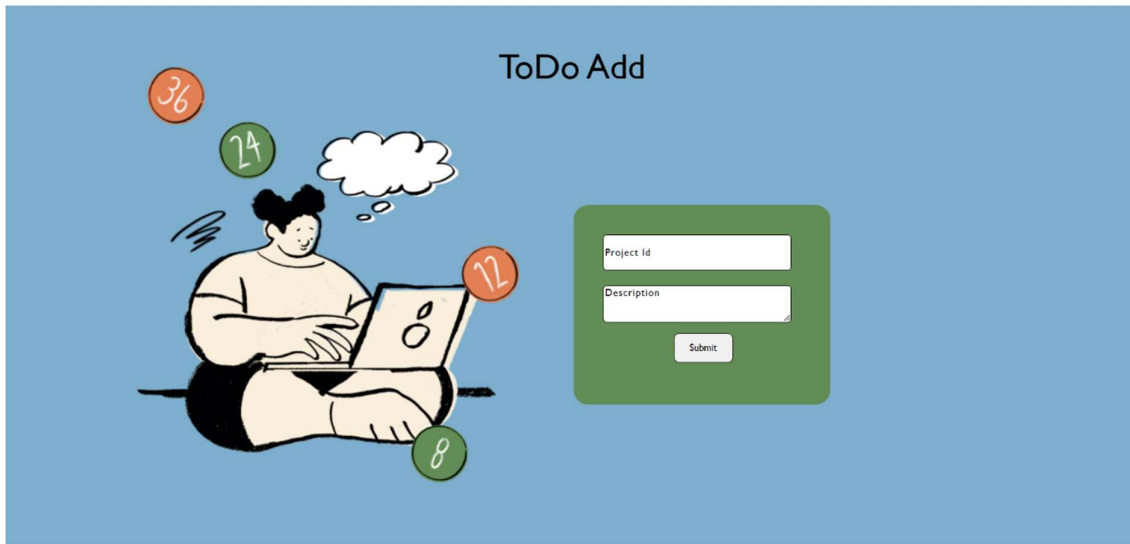
- **1.Add To-Do:**

Click on the "Add To-Do" button to create a new task for this project.

Fill out the form below to add a new task to this project. By Filling the

: Project ID

: Tasks Description



ToDo Add

Project Id

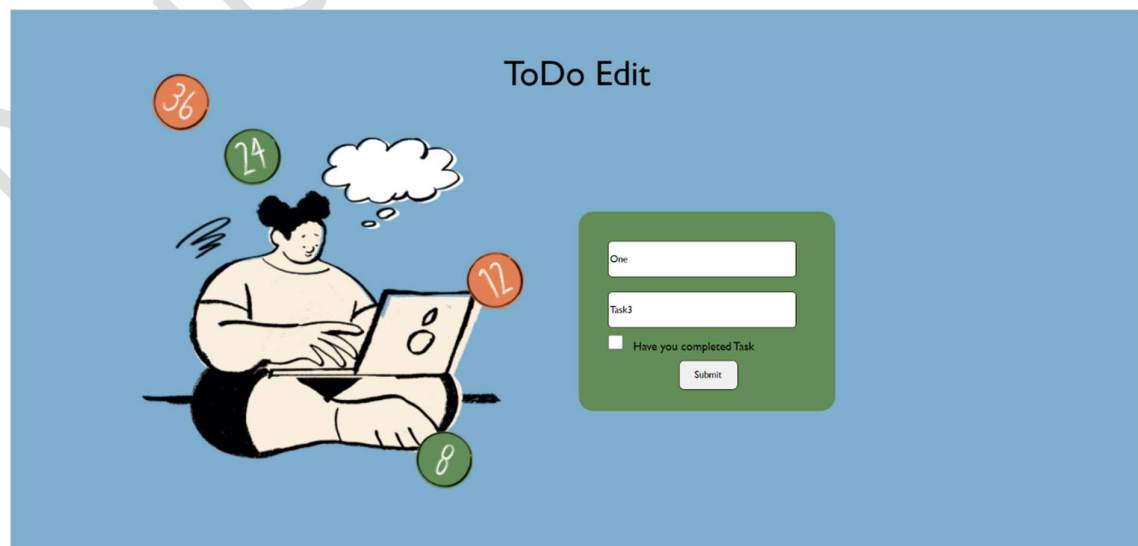
Description

Submit

- **2. Edit To-Do:**

Edit any existing task by clicking on the "Edit" button next to it.

- And which It display's Project title, to-do Description and Mark tasks as completed by clicking on the checkbox next to the task.



ToDo Edit

One

Task3

☐ Have you completed Task

Submit

Note: After performing any operation kindly requesting return to previous page and refresh the page, the necessary changes will display.

- 3. **Delete To-Do:**

Remove a task from the list by clicking on the "Delete" button next to it.

Before:

Stay on Track:Your Personal Todo List							
Add To Do							
To Do Id	Project Id	Description	Status	Created Date	Updated Date	Edit	Delete
3	I	Task01	true	2024-05-04 15:03:34	2024-05-04 15:03:34	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
22	I	Task3	false	2024-05-11 08:21:38	2024-05-11 08:21:38	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
23	I	Task11	false	2024-05-11 08:21:52	2024-05-11 08:21:52	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
24	I	Task12	false	2024-05-11 08:22:06	2024-05-11 08:22:06	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
25	I	Task13	false	2024-05-11 08:22:16	2024-05-11 08:22:16	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete

After:

Stay on Track:Your Personal Todo List							
Add To Do							
To Do Id	Project Id	Description	Status	Created Date	Updated Date	Edit	Delete
3	I	Task01	true	2024-05-04 15:03:34	2024-05-04 15:03:34	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
22	I	Task3	false	2024-05-11 08:21:38	2024-05-11 08:21:38	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
23	I	Task11	false	2024-05-11 08:21:52	2024-05-11 08:21:52	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete
24	I	Task12	false	2024-05-11 08:22:06	2024-05-11 08:22:06	<input type="checkbox"/> Edit	<input type="checkbox"/> Delete

Note: After performing any operation kindly requesting return to previous page and refresh the page, the necessary changes will display.

5. Testing:

Click here to view the To-do Application Execution

https://drive.google.com/file/d/1j7Z8Dq4CTwm46Q5KxHx_LVfiGNX4h0vf/view?usp=sharing

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End
