

A PROJECT REPORT ON

Task Management CRM

SUBMITTED TO:

Geetanjali Group of Colleges

FRONT END

HTML, CSS, Js, Bootstrap

BACK END

Laravel

AFFILIATED BY

Saurashtra University

ACADEMIC YEAR

2024-2025

PROJECT GUIDE:

Prof . Harsh Joshi

PREPARED BY

Bhavik Sapariya

Acknowledgement

- ❖ First and foremost, we are sincerely thankful to Saurashtra University for giving us the opportunity to work on this project as part of our curriculum.
- ❖ We extend our gratitude to Geetanjali Group Of Colleges for providing us with the resources and environment needed to develop our project.
- ❖ We are particularly grateful to our Head of Department, Prof. Brijesh Shah
 - for their constant support and guidance throughout the project.
- ❖ We would like to express our deepest appreciation to our project guide, Harsh Joshi, who guided us through the analysis and development phases of our project, providing invaluable advice and support.
- ❖ We are also thankful to all well-wishers and friends who supported us during the project development.

Yours Faithfully,
Bhavik Sapariya

Preface

- ❖ In the 21st century, technology plays a crucial role in everyday life, enhancing the speed and efficiency of work. As part of our MSC-IT program, which combines both practical and theoretical learning, this project serves as an essential component to bridge academic knowledge with real-world application.
- ❖ The project, undertaken in the 1st semester at Geetanjali Group Of Colleges, affiliated with Saurashtra University, Rajkot, is a reflection of our understanding and skills gained throughout our coursework.
- ❖ A Task Management CRM combines the functionalities of customer relationship management (CRM) with task and project management tools. It is designed to help businesses manage customer interactions, sales processes, and the internal tasks or project
- ❖ I have gone through and study necessary information, which is collected and presented in this report. I am trying my best in this project. I have taken almost care that are information provided in the project is true and project is in a smooth running condition and error free.

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Project Profile

- ❖ **Project Title:** Task Management CRM
- ❖ **Development Software:** Visual Studio Code
- ❖ **Front End:** HTML, CSS, JavaScript, Bootstrap
- ❖ **Back End:** Laravel
- ❖ **Academic Year:** 2024-2025
- ❖ **Developed By:** Bhavik Sapariya
- ❖ **Submitted To:** Geetanjali Group Of Colleges
- ❖ **Documentation Tool:** Microsoft Word
- ❖ **Operating System:** Windows 11

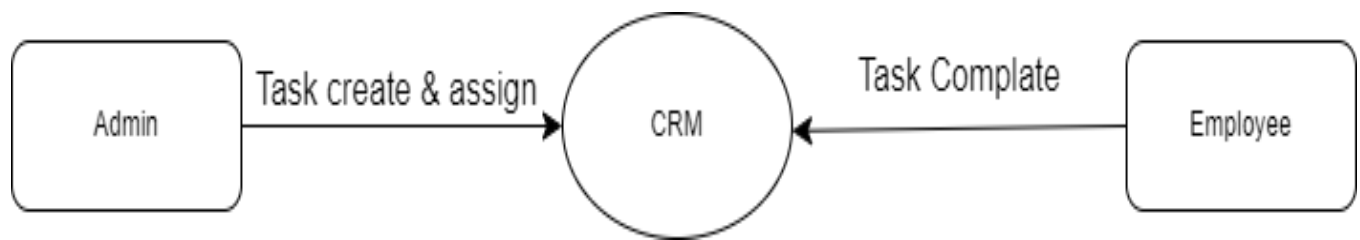
Project Requirement

- ❖ **Processor:** Intel Core i3 or higher
- ❖ **RAM:** 4 GB or more
- ❖ **Hard Disk:** 500 GB or more

Technology Requirement

- ❖ **Platform:** Laravel
- ❖ **Operating System:** Windows 11 / macOS / Linux
- ❖ **Front End Tools:** HTML, CSS, JavaScript, Bootstrap
- ❖ **Back End Tools:** laravel
- ❖ **Additional Libraries:** Bootstrap, FontAwesome
- ❖ **Editing Tool:** Visual Studio Code
- ❖ **Browser:** Google Chrome, Mozilla Firefox, or any modern browser

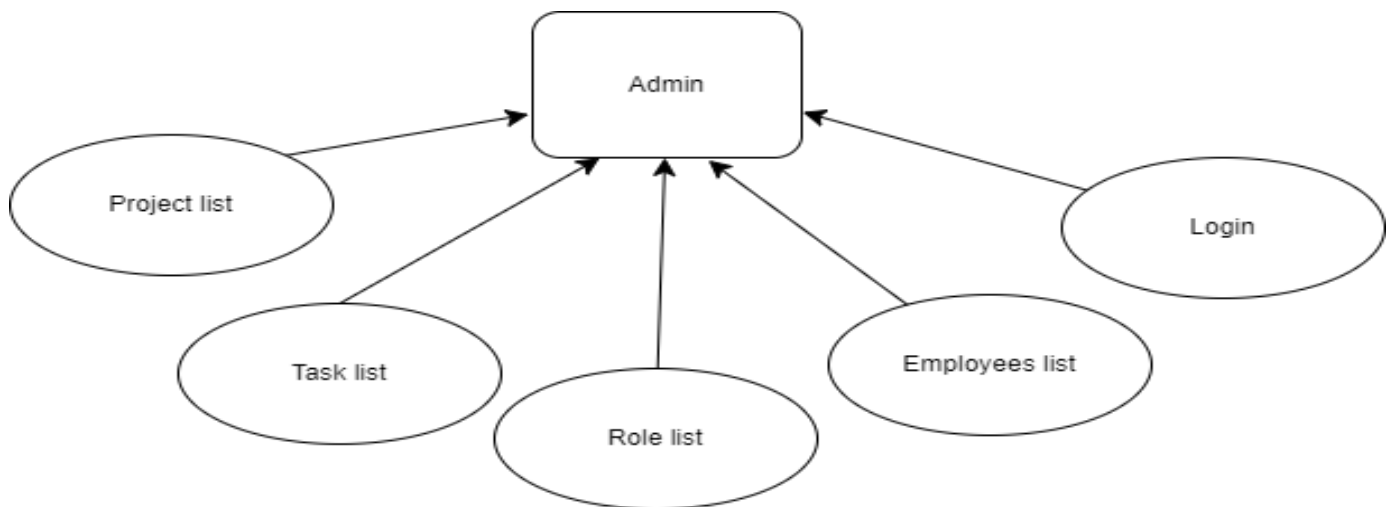
Data Flow Diagram



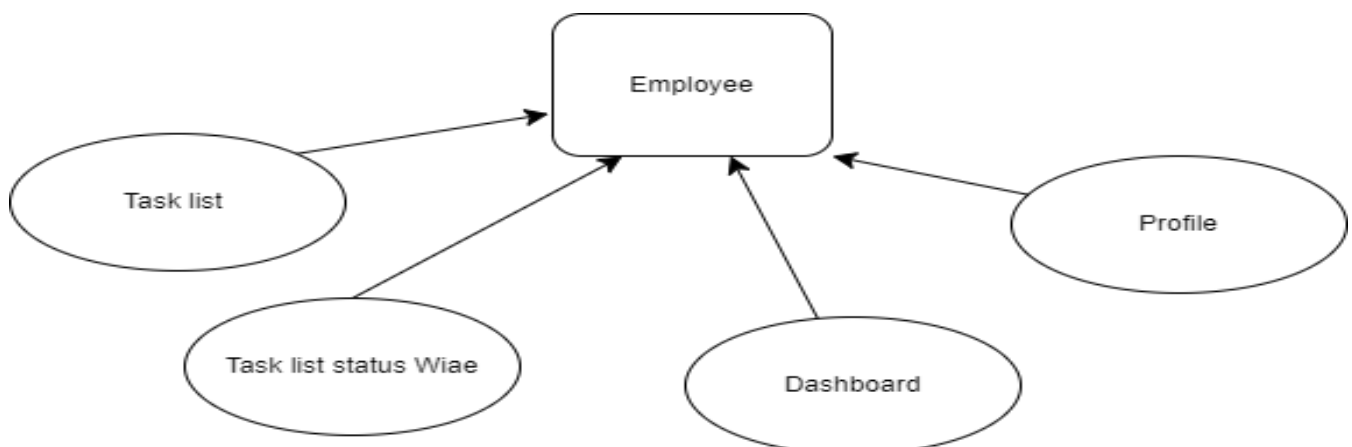
E-R Diagram

❖ An entity Relationship Diagram (ERD) is a data modeling technique that graphically illustrates an information system's entities and the relationship between those entities . An ERD is a conceptual and representation model of data used to represent the entity from work infrastructure .

➤ Admin Side :-



➤ Employee Side (Other Role):-



System Development Lifecycle:

Initiation Phase

- ❖ Identify the need for a Car Rental Management System based on market research and customer requirements.
- ❖ Define project scope, objectives, and stakeholders involved.
- ❖ Conduct a feasibility study to assess the technical and operational viability.

Planning Phase

- ❖ Develop a detailed project plan outlining tasks, timelines, resources, and budget.
- ❖ Identify deliverables and milestones for each phase of the project.
- ❖ Conduct risk analysis and develop a risk management plan.

Analysis Phase

- ❖ Gather requirements from stakeholders (car rental owners, managers, and users).
- ❖ Document functional and non-functional requirements.
- ❖ Create use cases, user stories, and wireframes to visualize the system.

Design Phase

- ❖ Design the database schema and application architecture.
- ❖ Choose technologies and frameworks for development.

Development Phase

- ❖ Implement the system with Laravel and MySQL.
- ❖ Use front-end technologies such as HTML, CSS, and JavaScript for user interfaces.

Testing Phase

- ❖ Conduct rigorous testing to ensure functionality, performance, and security.
- ❖ Address and fix identified issues.

Deployment Phase

- ❖ Deploy the Car Rental Management System on a live server.
- ❖ Train end users and provide documentation.

Data Dictionary

TABLES

❖ **users**

❖ **roles**

❖ **categories (project)**

❖ **tasks**

Users Table

Field Name	Data Type	Constraints
id	bigint(20)	Primary Key, NOT NULL
name	varchar(255)	NOT NULL
email	varchar(255)	NOT NULL
password	varchar(255)	NOT NULL
role_id	bigint	Foreign Key NOT NULL
created_at	timestamp	-
updated_at	timestamp	-

RolesTable

Field Name	Data Type	Constraints
id	bigint(20)	Primary Key, NOT NULL
name	varchar(255)	NOT NULL
created_at	timestamp	-
updated_at	timestamp	-

Categories Table

Field Name	Data Type	Constraints
id	bigint(20)	Primary Key, NOT NULL
booking_name	Varchar(5)	NOT NULL
user_id	bigint(20)	Foreign Key
created_at	timestamp	-
updated_at	timestamp	-

Tasks Table

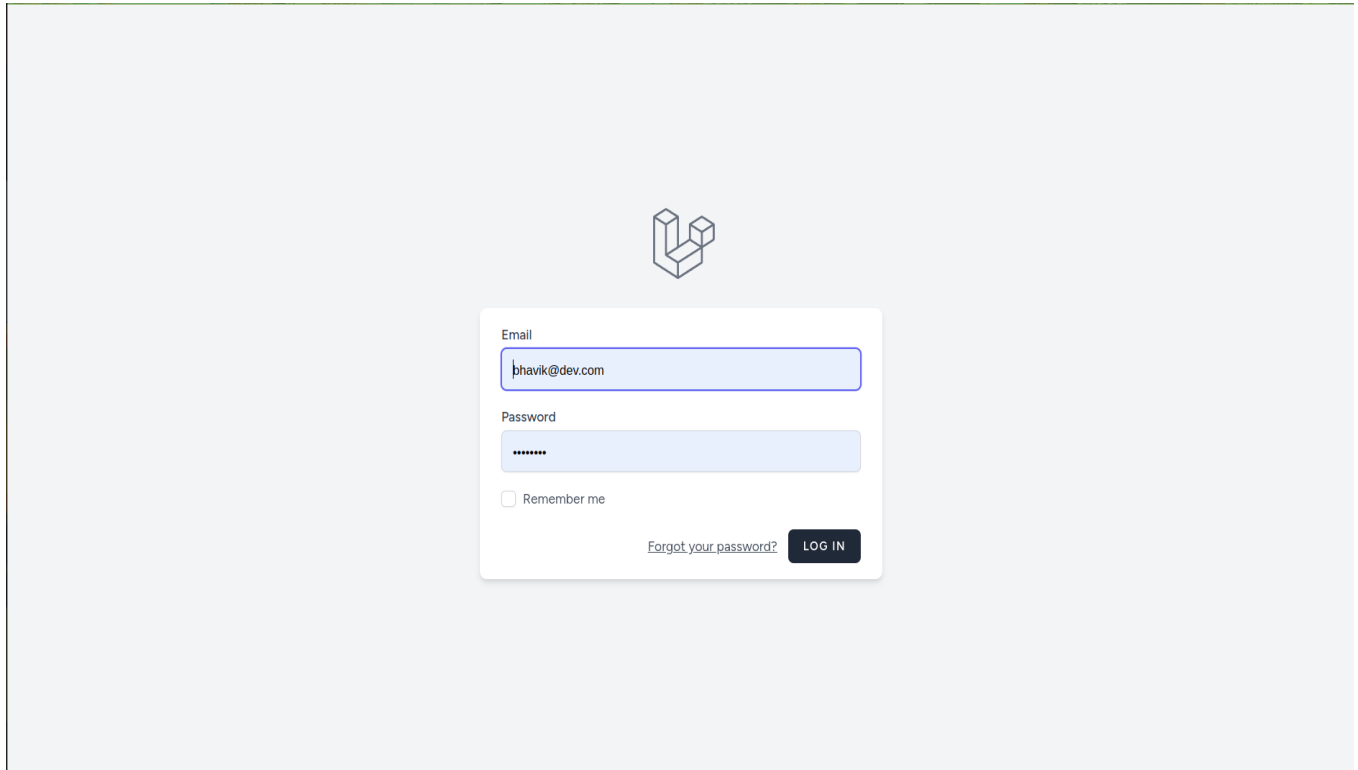
Field Name	Data Type	Constraints
id	bigint(20)	Primary Key, NOT NULL
title	varchar(255)	NOT NULL
description	text	NOT NULL
completed	Tiny int(1)	NOT NULL (0)
due_date	date	-
completed_at	date	-
category_id	bigint	Foreign Key
user_id	bigint	Foreign Key
assign_to_ser_id	bigint	Foreign Key
assign_date	date	-
created_at	timestamp	-
updated_at	timestamp	-

Test Cases

Test Case	Description	Expected Output	Result
Login	Validate username and password inputs	Redirect to dashboard or error	Pass
Add Category	Insert a new category	Category is added to the database	Pass
Add User	Make a user created	User created	Pass
Update User	Modify user profile details	Updated information is saved	Pass

Screen Shots

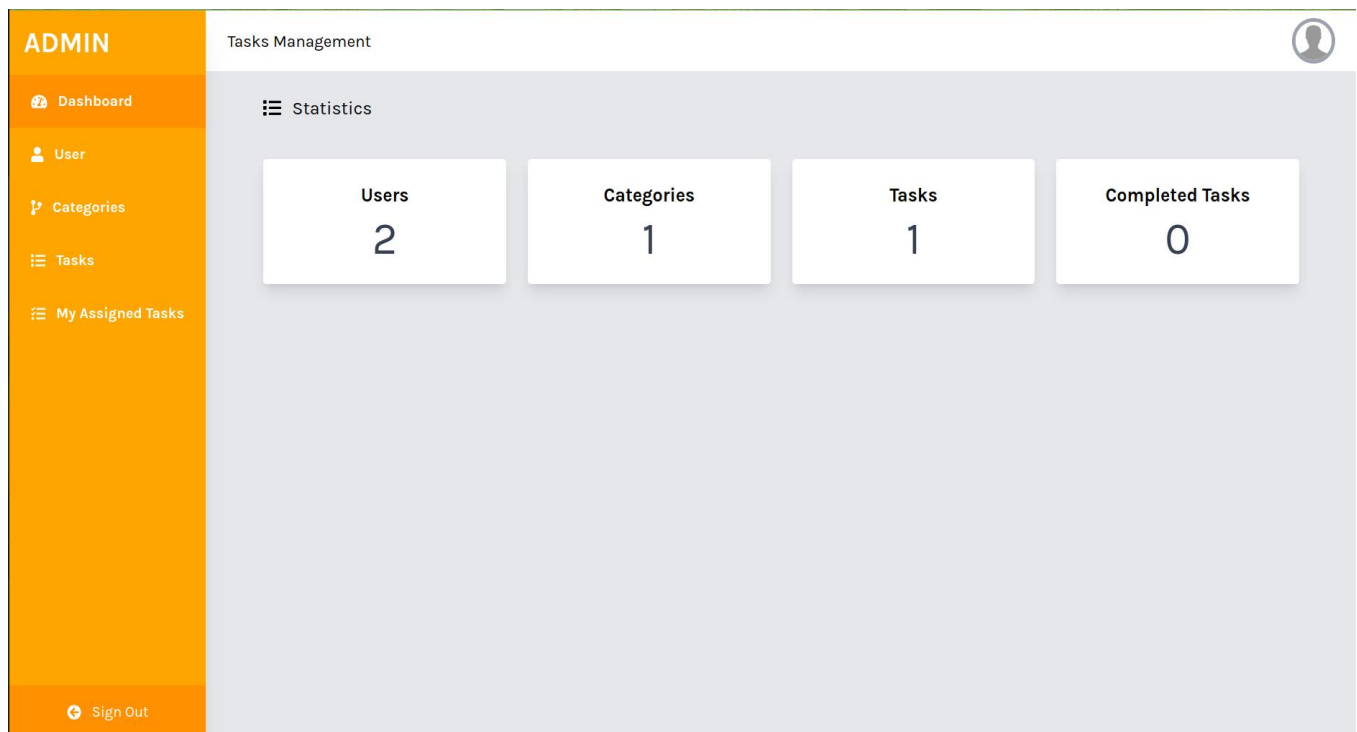
Login Page



✓ This is Login page of CRM.

✓ User can Login

Admin Dashboard Page



- Admin can login and see their Dashboard
- Admin can see cont of user category and Task

Admin User List Page

Tasks Management

ADMIN

- Dashboard
- User
- Categories
- Tasks
- My Assigned Tasks
- Sign Out

Users

Users Records

Add User

ID	NAME	ROLE	MANAGE
2	bhavik	Employee	Edit Delete
1	Demo Admin	Admin	Edit Delete

- ✓ This is user listing page.
- ✓ Admin Can see how many user in that system.

Admin Category Page

ADMIN

Dashboard

User

Categories

Tasks

My Assigned Tasks

Sign Out

Tasks Management

Categories

Category Name

ex: Laravel

Add Category

Categories Records

ID	NAME	ADDED BY	MANAGE
1	LARAVEL	Demo Admin	Edit Delete

- ✓ Admin create category of tasks.
- ✓ Admin also perform CURD operation in category module.

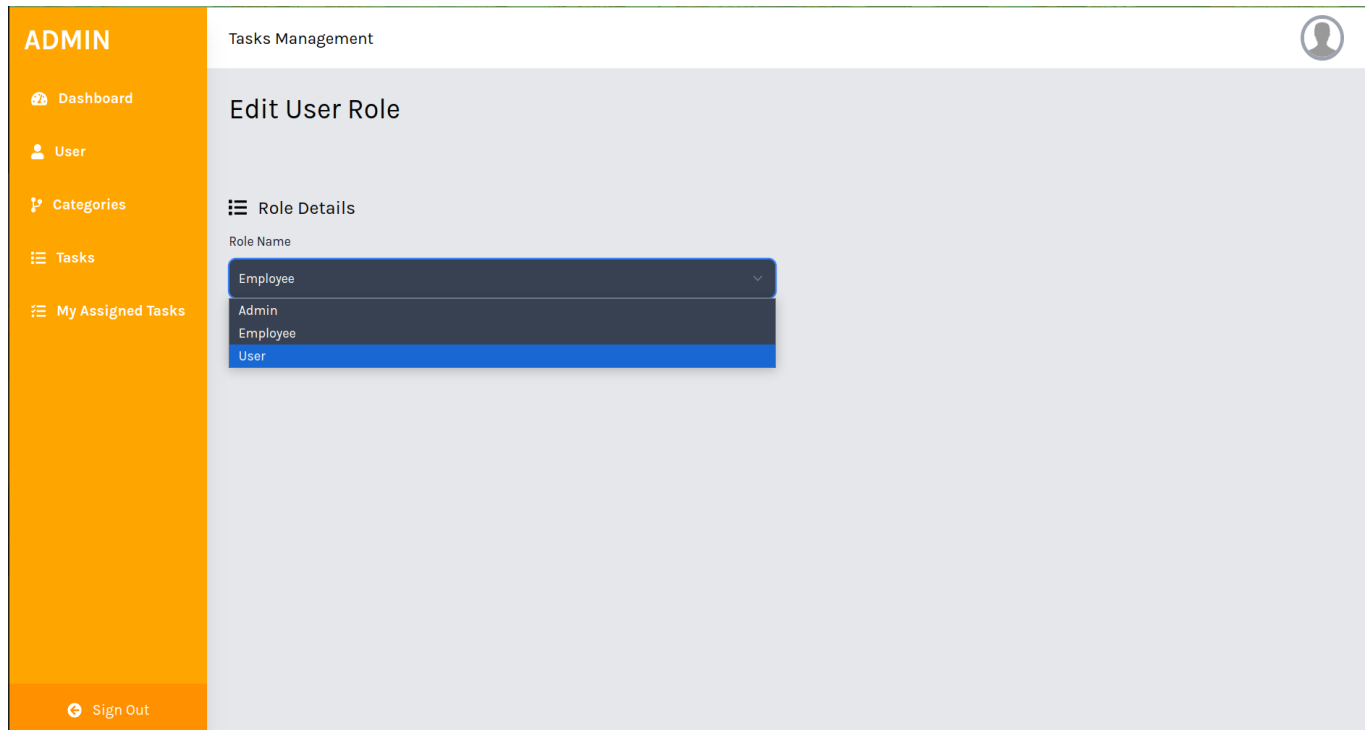
Admin Edit Category

The screenshot displays the 'Admin Edit Category' interface. On the left is an orange sidebar with the title 'ADMIN' and a 'Sign Out' button at the bottom. The sidebar contains a list of menu items: 'Dashboard', 'User', 'Categories', 'Tasks', and 'My Assigned Tasks'. The main content area has a header 'Tasks Management' and a user profile icon. Below this, the title 'Edit Category' is shown. A section titled 'Category Details' contains a 'Category Name' label and a text input field with the value 'LARAVEL'. A green 'Update Category' button is positioned below the input field.

✓ **This is admin edit category Form (page).**

✓ **Admin can edit Category as well.**

Admin Role Page



✓ **This page is used to edit role of users.**

✓ **Now we have static role user, employee, admin etc.**

Admin Task List Page

ADMIN

Dashboard

User

Categories

Tasks

My Assigned Tasks

Sign Out

Tasks Management

Tasks

Task title

ex: Write Article

Due Date

mm/dd/yyyy

Choose Category

Select category

Assign to user

Select User

Description

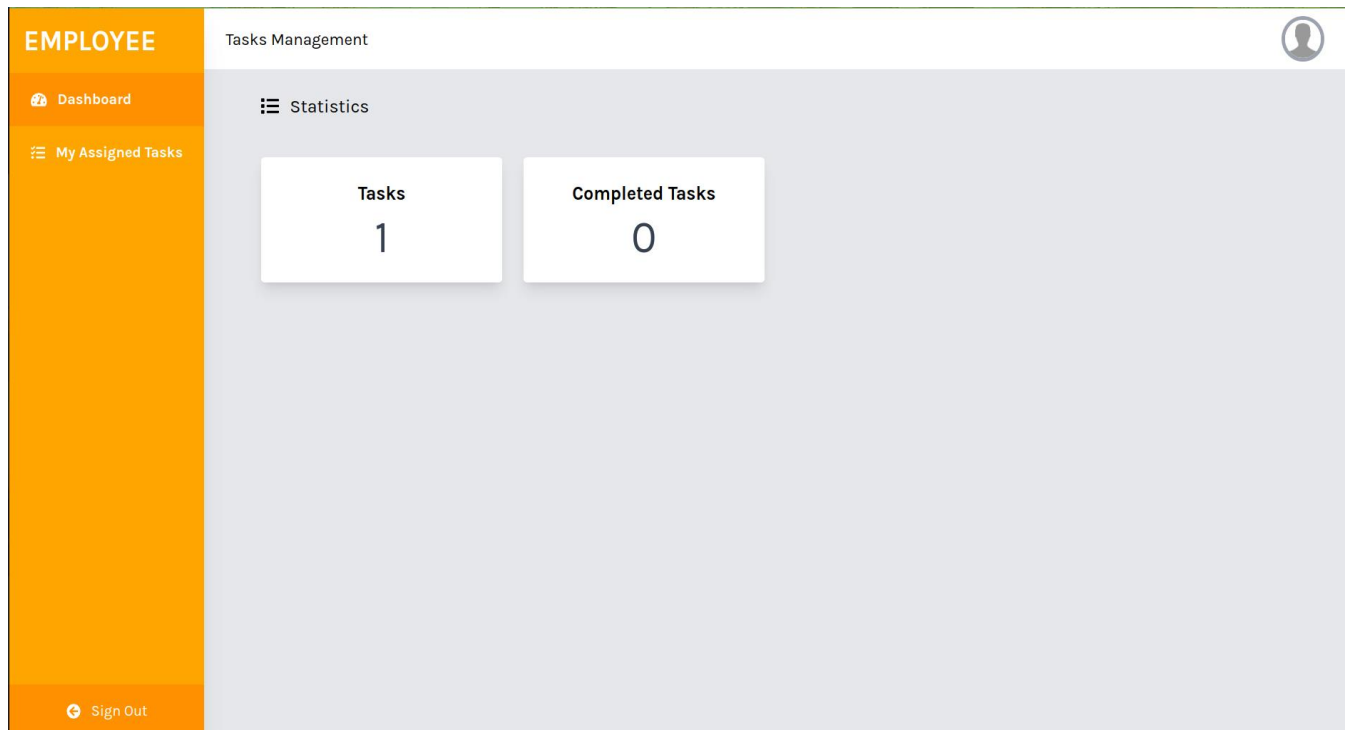
Add Task

Tasks Records

ID	TITLE	ADDED BY	ASSIGNED TO	DUE DATE	COMPLETED AT	MANAGE
1	BUG IN PROJECT	Demo Admin	bhavik	2025-01-15	Not Completed	<div>EditDelete</div>

- ✓ **This page is used for insert, update and delete Task.**
- ✓ **Admin can add and assign task to their employee or user.**
- ✓ **Admin can delete Task.**

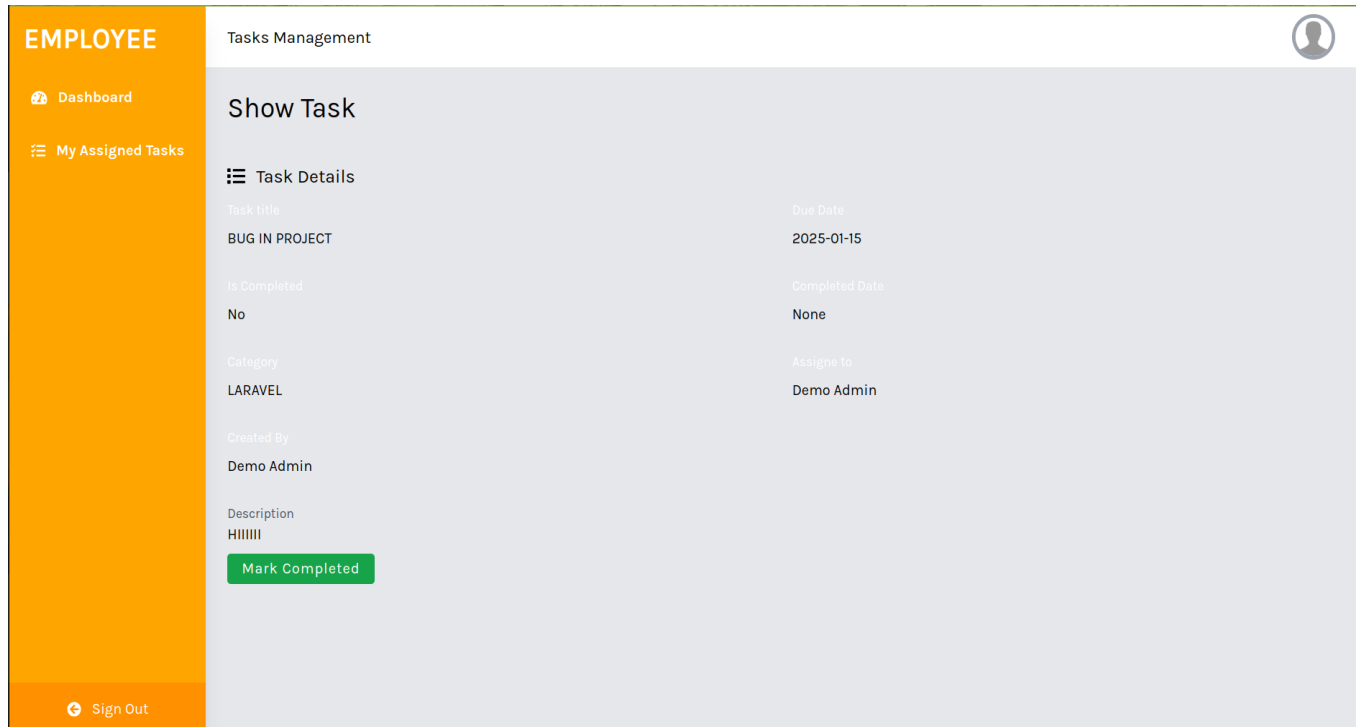
Employee Dashboard



✓ **Employee can see their Task and Completed Task.**

✓ **Employee see their total no of tasks.**

Employee Task View Page



✓ **Employee Can see Their Task Description etc.**

✓ **Employee also change status if task was Completed.**

Employee Assign Task List

The screenshot displays the 'Employee Assign Task List' interface. On the left, an orange sidebar contains the word 'EMPLOYEE' and two menu items: 'Dashboard' and 'My Assigned Tasks'. The main content area has a header 'Tasks Management' and a sub-header 'My Assigned Tasks'. Below this, there is a section titled 'My Assigned Tasks Records' which contains a table. The table has columns for ID, TITLE, DUE DATE, COMPLETED AT, CREATED BY, and MANAGE. A single task is listed with ID 1, TITLE 'BUG IN PROJECT', DUE DATE '2025-01-15', and COMPLETED AT 'None'. The MANAGE column for this task contains three buttons: 'Show', 'Mark Completed', and 'Delete'. A modal dialog is open in the center of the screen, displaying the text '127.0.0.1:8000 says Are you sure?' and two buttons: 'Cancel' and 'OK'.

ID	TITLE	DUE DATE	COMPLETED AT	CREATED BY	MANAGE
1	BUG IN PROJECT	2025-01-15	None	Demo Admin	<button>Show</button> <button>Mark Completed</button> <button>Delete</button>

- ✓ This page is used to see Assign Task assign By admin.
- ✓ Employee Also Can Delete Task.

Future Enhancement

- ❖ Add support for online payments.
- ❖ Implement advanced search and filtering options for cars.
- ❖ Integrate analytics to track user activity and log.
- ❖ Develop a mobile app for easier access.

Limitations:

- ❖ Limited functionality for managing complex workflows.
- ❖ No integration with payment gateways.
- ❖ Manual refresh required for some features.

Webliography

- [Bootstrap · The most popular HTML, CSS, and JS library in the world. \(getbootstrap.com\)](https://getbootstrap.com/)
- [W3Schools Online Web Tutorials](https://www.w3schools.com/)
- [GeeksforGeeks](https://www.geeksforgeeks.com/)
- [Laravel Documentation](https://laravel.com/docs/)