

**Design and Development Task Management Web Application.**

**BY**

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This Report Presented in Partial Fulfillment of the Requirements for the  
Degree of Bachelor of Science in Computer Science and Engineering.

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## **APPROVAL**

This Project titled “Design and Development Task Management Web Application”, submitted by Tohidul Islam , ID No: 191-15-12163 to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 16 July, 2024.

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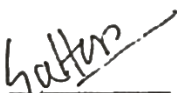
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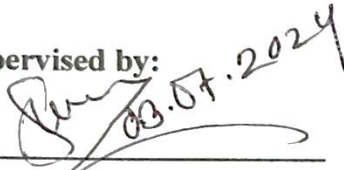
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## DECLARATION

I hereby declare that this project has been done by us under the supervision of Ms. **Sharmin Akter**, **Senior Lecturer, and Department of CSE** at Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for the award of any degree or diploma.

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## ABSTRACT

In the rapidly evolving digital workspace, efficiency and productivity are paramount. This report delves into the development and implementation of **“Design and Development Task Management Web Application”** designed to streamline task management for individuals and teams. The application incorporates a user-friendly interface, seamless integration with popular productivity tools, and real-time collaboration features. Our approach emphasizes user experience (UX) and intuitive design, ensuring that users can effortlessly organize, prioritize, and complete tasks. This project also explores various methodologies for task tracking, notification systems, and data security. Through comprehensive testing and user feedback, we aim to present a robust solution that enhances productivity and simplifies task management in a dynamic work environment.

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# CHAPTER 1

## INTRODUCTION

### 1.1 Introduction

In the modern academic and professional landscape, efficient task management is crucial for achieving success. The increasing demands of managing multiple projects, assignments, and deadlines can quickly become overwhelming, even for the most organized individuals. This challenge has driven the development of various digital solutions designed to enhance productivity and time management. Among these solutions, the “Design and Development Task Management Web Application” app stands out as an essential tool tailored to the unique needs of students, educators, and professionals.

“Design and Development Task Management Web Application” is an innovative application created to streamline task management through a user-friendly interface and a comprehensive suite of features. The app provides customizable task lists, priority settings, deadline reminders, and collaborative tools that improve teamwork and project coordination. By seamlessly integrating with various devices, “Design and Development Task Management Web Application” ensures that users can efficiently manage their tasks, whether they are in a classroom, office, or on the go.

The primary objective of “Design and Development Task Management Web Application” is to offer a reliable platform that simplifies the organization of tasks and fosters effective time management. This report delves into the development process of the “Work Wizard” app, its core functionalities, and its impact on users. Through user feedback and extensive testing, we aim to demonstrate how “Design and Development Task Management Web Application” addresses common task management challenges and enhances overall productivity.

This introduction provides an overview of the “Design and Development Task Management Web Application”, highlighting the motivation behind its creation and the

problems it seeks to solve. By offering a detailed examination of the app's capabilities and benefits, we aim to showcase how “Design and Development Task Management Web Application” can revolutionize task management for its users. This report will cover the technical aspects of the app, user experiences, and future enhancements, providing a comprehensive understanding of how “Design and Development Task Management Web Application” can contribute to academic and professional success.

## **1.2 Motivation**

The motivation behind the development of the “Design and Development Task Management Web Application” stems from the growing need for efficient task management tools in both academic and professional settings. As the demands on students, educators, and professionals increase, so does the complexity of managing multiple responsibilities. The challenge of juggling various tasks, deadlines, and priorities often leads to stress, decreased productivity, and missed opportunities. Recognizing these pain points, the “Design and Development Task Management Web Application” app was conceived to provide a solution that enhances productivity, reduces stress, and promotes effective time management.

## **Addressing the Challenges of Modern Task Management**

In today's fast-paced world, individuals are often required to handle a diverse array of tasks, ranging from academic assignments and project deadlines to meetings and personal commitments. Traditional methods of task management, such as handwritten lists and basic digital calendars, often fall short in providing the necessary tools for comprehensive and efficient task organization. The need for a more sophisticated, yet user-friendly solution became evident through extensive research and feedback from potential users.

## **Enhancing Academic and Professional Productivity**

For students, the pressure to balance coursework, extracurricular activities, and personal life can be overwhelming. Missing deadlines or forgetting assignments can have significant consequences on academic performance. Similarly, professionals are constantly managing projects, meetings, and team collaborations, where effective task management is crucial for success. The “Design and Development Task Management Web Application” aims to bridge this gap by offering a platform that caters to the specific needs of these users, helping them stay organized, meet deadlines, and ultimately achieve their goals.

### **Promoting Collaboration and Communication**

In addition to individual task management, the importance of collaboration and communication in academic and professional environments cannot be overstated. Team projects, group assignments, and collaborative efforts require a tool that facilitates seamless communication and coordination. The “Design and Development Task Management Web Application” incorporates collaborative features that allow users to assign tasks, share progress, and communicate effectively with team members, ensuring that everyone stays on the same page and works towards common objectives.

### **Leveraging Technology for Better Task Management**

Advancements in technology have opened up new possibilities for improving task management. The “Design and Development Task Management Web Application” leverages these advancements to provide a solution that is not only powerful but also accessible across multiple devices. By integrating features such as customizable task lists, priority settings, and deadline reminders, the app ensures that users have all the tools they need to manage their tasks efficiently. The goal is to create an intuitive and reliable platform that adapts to the evolving needs of its users.

### **Commitment to Continuous Improvement**

The development of the “Design and Development Task Management Web Application” is driven by a commitment to continuous improvement and user satisfaction. Regular updates and enhancements are planned to address emerging needs and incorporate user feedback. By staying attuned to the evolving landscape of task management, the app aims to remain a valuable resource for its users, helping them navigate their responsibilities with confidence and ease.

In summary, the motivation behind the “Design and Development Task Management Web Application” is rooted in the desire to provide a comprehensive solution to the challenges of modern task management. By addressing the specific needs of students, educators, and professionals, the app seeks to enhance productivity, reduce stress, and promote effective time management, ultimately contributing to the success and well-being of its users.

### **1.3 Expected Outcome**

The “Design and Development Task Management Web Application” app is anticipated to deliver a range of positive outcomes that significantly enhance the productivity and efficiency of its users. By addressing the core challenges of task management, the app aims to facilitate smoother workflows, reduce stress, and promote better time management among students, educators, and professionals. The following outlines the key expected outcomes of implementing the “Design and Development Task Management Web Application”.

#### **Improved Task Completion Rates**

The app is expected to help users organize their tasks more effectively, leading to higher rates of task completion. By providing customizable task lists, priority settings, and deadline reminders, users can manage their responsibilities more efficiently, ensuring that important tasks are not overlooked or delayed.

#### **Enhanced Time Management**

“Design and Development Task Management Web Application” aims to improve users' time management skills by offering tools that help them allocate their time more effectively. The integration of calendar features and automated reminders ensures that users can plan their schedules better and adhere to deadlines, ultimately leading to more productive use of their time.

### **Increased Productivity**

With its user-friendly interface and productivity-enhancing features, the app is designed to help users focus on high-impact tasks. By prioritizing tasks and tracking progress, users can concentrate on what matters most, leading to increased overall productivity and better outcomes in both academic and professional settings.

### **Reduced Stress and Anxiety**

One of the primary goals of the app is to alleviate the stress associated with managing multiple tasks and deadlines. By providing a clear and organized system for task management, “Design and Development Task Management Web Application” reduces the mental burden on users, leading to lower stress levels and a more balanced approach to handling responsibilities.

### **Improved Collaboration and Communication**

The app's collaborative features are expected to enhance teamwork and project coordination. By allowing users to assign tasks, share progress, and communicate effectively with team members, the app fosters a more collaborative and productive working environment. This is particularly beneficial for group projects and team-based assignments.

### **Greater Accountability and Transparency**

By offering tools for tracking task progress and setting deadlines, the app promotes accountability among users. Individuals can monitor their own progress and that of their team members, ensuring greater transparency and responsibility in task management.

### **Enhanced User Satisfaction**

“Design and Development Task Management Web Application” aims to provide a seamless and engaging user experience, encouraging regular use and long-term adoption. The app’s intuitive design and comprehensive features are expected to result in high levels of user satisfaction, making it a valuable tool for managing tasks and achieving goals.

### **Data-Driven Insights**

Through the collection and analysis of user data, the app is expected to provide valuable insights into task management patterns and behaviors. These insights can be used to further refine the app’s features and functionality, ensuring continuous improvement and relevance to its users.

### **Positive Impact on Academic and Professional Success**

Ultimately, the “Design and Development Task Management Web Application” is expected to contribute to the academic and professional success of its users. By helping individuals manage their tasks more effectively, the app supports their efforts to achieve their goals, meet deadlines, and excel in their respective fields.

## **1.4 Objective**

The primary objective of the “Design and Development Task Management Web Application” is to provide an all-encompassing task management solution tailored to the needs of students, educators, and professionals. This app aims to enhance productivity, streamline workflows, and reduce the stress associated with managing multiple tasks and

deadlines. By offering a robust and intuitive platform, “Design and Development Task Management Web Application” seeks to empower users to achieve their academic and professional goals efficiently and effectively.

**Key Objectives of the “Design and Development Task Management Web Application” Web App:**

**1. Improve Task Organization:**

- a. Provide users with customizable task lists that allow for detailed categorization and prioritization of tasks.
- b. Enable users to break down complex projects into manageable sub-tasks, facilitating better planning and execution.

**2. Enhance Time Management:**

- a. Offer tools for setting deadlines and reminders, ensuring users stay on track and meet their commitments.
- b. Integrate a calendar feature to visualize upcoming tasks and deadlines, helping users allocate their time effectively.

**3. Facilitate Collaboration:**

- a. Incorporate collaborative features that allow users to assign tasks, share progress, and communicate with team members.
- b. Support group projects and teamwork by providing a centralized platform for task coordination and information sharing.

**4. Increase Productivity:**

- a. Provide a user-friendly interface that minimizes the learning curve and maximizes ease of use.
- b. Implement productivity-enhancing features such as priority settings and progress tracking to help users focus on high-impact tasks.

**5. Reduce Stress and Overwhelm:**

- a. Offer a reliable and organized system that alleviates the anxiety associated with forgetting tasks or missing deadlines.

- b. Provide a clear overview of tasks, reducing the mental burden of keeping track of multiple responsibilities.

#### **6. Ensure Accessibility and Flexibility:**

- a. Develop a cross-platform app that syncs seamlessly across various devices, enabling users to manage their tasks from anywhere.
- b. Ensure the app is accessible to individuals with varying levels of technical expertise, making it a valuable tool for a broad audience.

#### **7. Support Continuous Improvement:**

- a. Collect user feedback and data to continuously refine and enhance the app's features and functionality.
- b. Stay updated with the latest trends and advancements in technology to integrate new, beneficial features.

#### **8. Promote Long-term Usage:**

- a. Create a sustainable and engaging user experience that encourages long-term adoption and regular use.
- b. Provide ongoing support and updates to ensure the app remains relevant and useful to its users.

## **CHAPTER 2**

### **BACKGROUND**

#### **2.1 Background Study**

In today's fast-paced business environment, effective project management and efficient task management for employees are critical for the success of any organization. Many companies struggle with organizing, tracking, and managing projects and tasks due to a lack of integrated tools. The need for a comprehensive project management solution that facilitates seamless collaboration, real-time tracking, and efficient task delegation has never been greater. This project aims to develop a web-based platform that addresses these needs by providing a robust and user-friendly interface for managing projects and employee tasks.

#### **2.2 Related Site**

There also same types of site, <https://to-do.office.com/tasks/>, <https://trello.com/>, <https://www.atlassian.com/software/jira>, <https://clickup.com/> and <https://www.notion.so/> but I tried to make more optimize site in low cost and add a lot of products category which can give better experience to the users.

#### **2.3 Comparative Studies**

This section examines various existing “Design and Development Task Management Web Application” to identify their strengths, weaknesses, and unique features. By analyzing popular applications such as Todoist, Microsoft To-Do, and Trello, my aim to benchmark my application against industry standards and highlight areas for improvement and innovation.

**Todoist:**

- **Strengths:** Offers advanced task management features such as natural language processing for task entry, robust project categorization, and powerful integration capabilities with third-party applications.
- **Weaknesses:** The user interface, while feature-rich, can be overwhelming for new users. Some advanced features are locked behind a premium subscription.
- **Unique Features:** Karma points system for productivity tracking and a wide range of templates for different use cases.

**Microsoft To-Do:**

- **Strengths:** Seamless integration with Microsoft Office Suite and other Microsoft services, intuitive interface, and strong synchronization across devices.
- **Weaknesses:** Limited in terms of advanced project management features compared to other tools. Customization options are somewhat restricted.
- **Unique Features:** My Day feature that allows users to focus on daily priorities and deep integration with Outlook tasks.

**Trello:**

- **Strengths:** Highly visual approach to task management with boards, lists, and cards, making it easy to organize and track progress. Strong collaboration features and numerous integrations.
- **Weaknesses:** Can become cluttered and less effective for managing larger, more complex projects. Lacks some of the advanced task management features found in other applications.
- **Unique Features:** Power-Ups that extend functionality and Butler automation for repetitive tasks.

Our comparative study provides a foundation for developing an innovative “Design and Development Task Management Web Application” that not only meets but exceeds current market standards, addressing the gaps and enhancing user satisfaction.

## 2.4 Scope of the Problem

The scope of this project includes the development of a comprehensive web-based platform that encompasses the following features:

- **User Management:** Secure login, role-based access control, and profile management.
- **Project Management:** Creating and managing projects, setting milestones, and tracking progress.
- **Task Management:** Creating, assigning, and tracking tasks, deadlines, and priorities.
- **Collaboration Tools:** Real-time chat, discussion forums, and file sharing.
- **Reporting and Analytics:** Generating reports on project status, employee performance, and task completion.
- **Notification System:** Email and in-app notifications for task assignments, deadlines, and project updates.
- **Integration:** Compatibility with existing tools and software used by organizations.

## 2.5 Challenges

The design and development of a task management web application present several significant challenges that must be carefully navigated to ensure a successful product. This section outlines the primary obstacles encountered and the strategies employed to overcome them.

### User Experience and Interface Design:

- **Challenge:** Creating an intuitive, user-friendly interface that caters to a diverse user base with varying levels of technical expertise.

- **Solution:** Conducted extensive user research, including surveys and usability testing, to understand user needs and preferences. Iterative design processes and feedback loops were implemented to refine the interface continuously.

#### **Feature Balancing:**

- **Challenge:** Balancing the inclusion of advanced features with the simplicity of use to avoid overwhelming users, especially newcomers.
- **Solution:** Prioritized essential features for the minimum viable product (MVP) and planned for incremental additions based on user feedback and usage data. Implemented modular design principles to allow users to enable or disable features as needed.

#### **Real-Time Collaboration:**

- **Challenge:** Ensuring smooth and reliable real-time collaboration and synchronization across multiple devices and users.
- **Solution:** Utilized Web Socket technology for real-time updates and implemented conflict resolution mechanisms to handle simultaneous edits. Conducted rigorous testing to ensure stability and performance under varying network conditions.

#### **Integration with Third-Party Tools:**

- **Challenge:** Seamlessly integrating with popular productivity tools and services to enhance workflow efficiency.
- **Solution:** Designed a flexible API framework that supports integration with multiple third-party services. Prioritized compatibility with widely-used tools such as Google Calendar, Slack, and Microsoft Office Suite.

#### **Data Security and Privacy:**

- **Challenge:** Ensuring the security and privacy of user data, particularly given the sensitive nature of task and project information.

- **Solution:** Implemented robust encryption protocols for data storage and transmission. Adhered to industry best practices for authentication and authorization, and conducted regular security audits and vulnerability assessments.

#### **Scalability:**

- **Challenge:** Designing a system that can scale efficiently to accommodate growing user bases and increased data loads.
- **Solution:** Leveraged cloud-based infrastructure with auto-scaling capabilities to handle varying traffic levels. Optimized database queries and implemented caching strategies to enhance performance.

#### **Cross-Platform Compatibility:**

- **Challenge:** Ensuring consistent functionality and user experience across different devices and operating systems.
- **Solution:** Adopted a responsive web design approach and conducted extensive cross-platform testing. Utilized progressive web app (PWA) technologies to provide a native app-like experience on mobile devices.

#### **User Adoption and Retention:**

- **Challenge:** Encouraging user adoption and maintaining high engagement levels over time.
- **Solution:** Developed onboarding tutorials and user guides to assist new users. Implemented gamification elements and regular updates based on user feedback to keep the application engaging and relevant.

By addressing these challenges with strategic solutions, our task management web application aims to deliver a robust, user-friendly, and secure platform that meets the needs of modern professionals and teams.

## **CHAPTER 3**

### **REQUIREMENT SPECIFICATION**

#### **3.1 Requirements Analysis**

The Requirements Analysis phase is crucial in the design and development of a task management web application. This section outlines the methodologies used to gather and analyze user requirements, ensuring the final product aligns with user needs and industry standards.

#### **3.2 Requirements of data analysis**

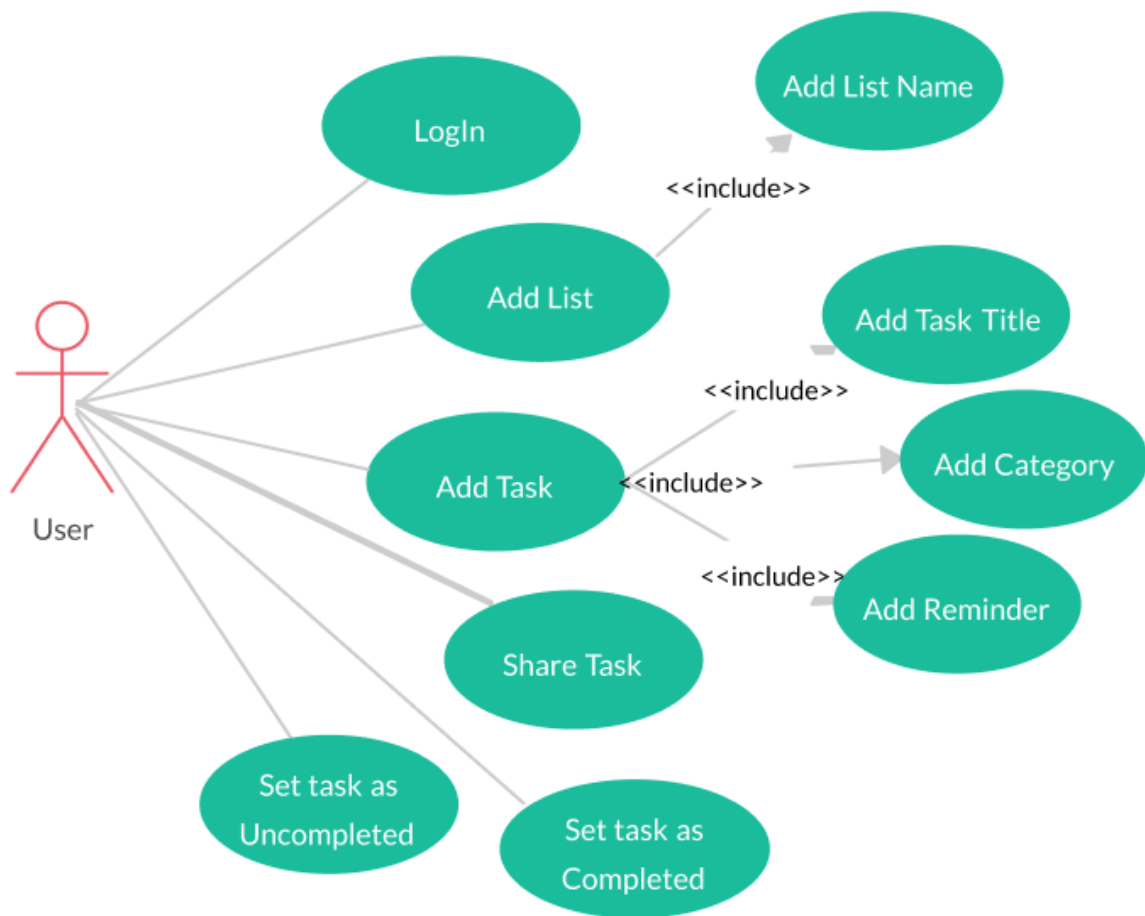
Data analysis is integral to the development and continuous improvement of a task management web application. This section outlines the requirements for effectively gathering, processing, and analyzing data to enhance functionality, user experience, and decision-making.

#### **3.3 System Requirements**

- System must be secure and every work procedure executed by administration.
- There will be middleware between IT and OT.
- Middleware will verify the access and protect the UN authorize access.
- System must be able to take pressure of web traffic and protected from Dodos attack.
- Timely maintenance report is very important for system security also easy to find out the variability.
- Systems validation should work properly to save every data.
- Whole system will be SEO friendly and have to space for SEO functionality.

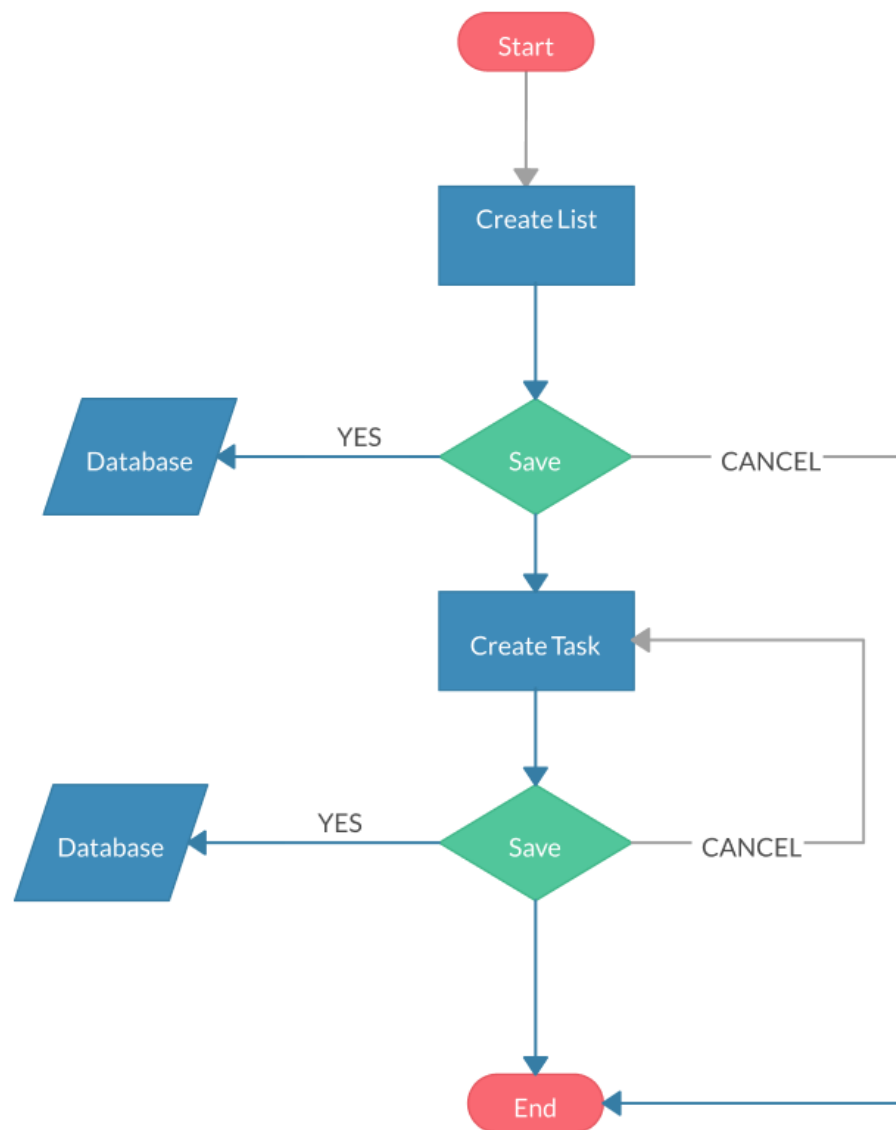
### 3.4 Admin Use Case Function

The Admin Use Case Function is critical for managing and maintaining the task management web application. This section outlines the specific use cases for administrators, detailing their roles, responsibilities, and the functionalities they require to ensure the smooth operation of the application.



### 3.5 Data Flow Diagram

The Data Flow Diagram (DFD) is a visual representation of the flow of data within the task management web application. It illustrates how data is processed, stored, and transmitted between different components of the system, providing a clear understanding of the application's architecture and data handling mechanisms.



## **CHAPTER 4**

### **DESIGN SPECIFICATION**

Here is a sample of my design in this system. It has been explained that I have applied and implemented all the things and technologies to complete this application. Here I have demonstrated how it is tested after presenting my application system.

#### **4.1 Front-end or UI Design**

The regular front-end or UI worked on the introduction layer. It outlined to the user that it is just the best approach to interact with our framework. Front-end or UI configuration also play a fundamental role in the user experience of the user. The main objective of planning a site or application is how users effectively contact the UI for their essential option. For instance, from Wikipedia or the assault overflow application which is jump to: navigation, search, show the default vital choice that the majority of the client needed. Front-end or UI advancement also called customer side or client site development is the act of provenance default. The developers or designers make constitutive segments and highlights that are by implication entranced by a user through a front-end application or framework.

For Front-end or UI design what we need:

- Need knowledge about information of Tailwind
- Need a good review manager.
- About the knowledge of HTML, CSS or more points are required

#### **4.2 Interaction Design and UX**

In the realm of productivity tools, the interaction design (IXD) and user experience (UX) of a work to-do app are paramount. This report delves into the principles and strategies employed to optimize these aspects, aiming to deliver a seamless and efficient user experience.

### 4.3 Back-end Design

The back-end design of a “Design and Development Task Management Web Application” app using Laravel plays a crucial role in ensuring seamless functionality, data management, and security. This report explores the key aspects and strategies involved in designing the back-end of a “Design and Development Task Management Web Application” with Laravel framework.

#### Key Objectives

The primary objectives of the back-end design for the work to-do app are:

- **Data Management:** Efficiently manage tasks, projects, user data, and interactions within the app.
- **Scalability:** Design a robust architecture that can handle growing user base and increasing data volumes.
- **Security:** Implement measures to protect user data, authenticate users securely, and prevent unauthorized access.
- **Performance:** Optimize queries and database interactions to ensure fast response times and smooth user experience.
- **Integration:** Integrate seamlessly with front-end interfaces and external APIs for enhanced functionality.

### 4.4 Database

MySQL, pronounced either "My S-Q-L" or "My Sequel," is an open source relational database management system. It is based on the structure query language (SQL), which is used for adding, removing, and modifying information in the database. As shown in figure no 2.2.

| Table                                        | Action                                         | Rows | Type   | Collation          | Size     | Overhead |
|----------------------------------------------|------------------------------------------------|------|--------|--------------------|----------|----------|
| <input type="checkbox"/> attachments         | Browse  Structure  Search  Insert  Empty  Drop | 0    | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
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| <input type="checkbox"/> chat_group_maps     | Browse  Structure  Search  Insert  Empty  Drop | 0    | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
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| <input type="checkbox"/> comments            | Browse  Structure  Search  Insert  Empty  Drop | 208  | InnoDB | utf8mb4_unicode_ci | 48.0 KiB | -        |
| <input type="checkbox"/> countries           | Browse  Structure  Search  Insert  Empty  Drop | 253  | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
| <input type="checkbox"/> failed_jobs         | Browse  Structure  Search  Insert  Empty  Drop | 0    | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
| <input type="checkbox"/> languages           | Browse  Structure  Search  Insert  Empty  Drop | 3    | InnoDB | utf8mb4_unicode_ci | 32.0 KiB | -        |
| <input type="checkbox"/> lankeyvalues        | Browse  Structure  Search  Insert  Empty  Drop | 747  | InnoDB | utf8mb4_unicode_ci | 96.0 KiB | -        |
| <input type="checkbox"/> mailtext            | Browse  Structure  Search  Insert  Empty  Drop | 12   | InnoDB | utf8mb4_unicode_ci | 48.0 KiB | -        |
| <input type="checkbox"/> meeting_invitations | Browse  Structure  Search  Insert  Empty  Drop | 7    | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
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| <input type="checkbox"/> migrations          | Browse  Structure  Search  Insert  Empty  Drop | 34   | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
| <input type="checkbox"/> months              | Browse  Structure  Search  Insert  Empty  Drop | 12   | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
| <input type="checkbox"/> password_resets     | Browse  Structure  Search  Insert  Empty  Drop | 0    | InnoDB | utf8mb4_unicode_ci | 32.0 KiB | -        |
| <input type="checkbox"/> payments            | Browse  Structure  Search  Insert  Empty  Drop | 38   | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
| <input type="checkbox"/> payment_method      | Browse  Structure  Search  Insert  Empty  Drop | 4    | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
| <input type="checkbox"/> payment_settings    | Browse  Structure  Search  Insert  Empty  Drop | 1    | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |
| <input type="checkbox"/> payment_status      | Browse  Structure  Search  Insert  Empty  Drop | 2    | InnoDB | utf8mb4_unicode_ci | 16.0 KiB | -        |

Figure 2.2 Database

## 4.5 Implementation Requirements

- HTML 5
- CSS3
- Tailwind
- JavaScript
- jQuery
- MySQL
- PHP Laravel
- git

## CHAPTER 5

### OVERALL IMPLEMENTATION

#### Design and Development Task Management Web Application

The “Design and Development Task Management Web Application” is an online based web application that helps an organization to manage their Working proficiency. It helps the organization to keep all the necessary data to maintain a sustainable work todo. Through database authorities can access any kind of data to do rescuers for better business and organization management.

#### Overview

In today's fast-paced work environments, effective task management is crucial for maintaining productivity and achieving goals efficiently. A “Design and Development Task Management Web Application” serves as a pivotal tool, offering users a streamlined way to organize, prioritize, and track tasks and projects seamlessly.

#### Technologies

Here I use for web Front End and Back End those language

- HTML5
- CSS3
- Tailwind
- JavaScript
- jQuery
- MySQL
- PHP Laravel
- git

#### Tools

- Windows 10

- XAMPP
- Code editor

## 5.1 Launch Page

All the assigned admins can access this web app by logging in with their user ID and Password. As shown in figure 3.1. After this page arrives, the main admin of the organization or those who will be given access will be able to go to the next page by logging in.

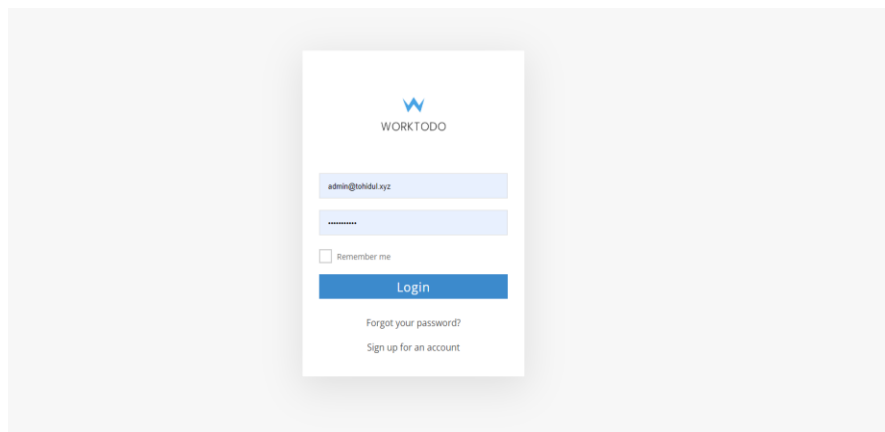
The image shows a login page for a web application named 'WORKTODO'. At the top, there is a blue logo consisting of two stylized 'W' shapes. Below the logo, the text 'WORKTODO' is displayed. The login form consists of two input fields: the first is for the email address, with the placeholder text 'admin@tutidul.xyz', and the second is for the password, with a masked input. Below these fields is a checkbox labeled 'Remember me'. A blue 'Login' button is positioned below the checkbox. At the bottom of the form, there are two links: 'Forgot your password?' and 'Sign up for an account'.

Figure – 3.1 Launch Page – Login

The image shows a registration page for the 'WORKTODO' web application. At the top, there is a blue logo consisting of two stylized 'W' shapes. Below the logo, the text 'WORKTODO' is displayed. The registration form has a tabbed interface with two tabs: 'Staff' and 'Client'. The 'Staff' tab is currently selected. Below the tabs, there are five input fields: 'Name', 'Email Address', 'Password', and 'Designation'. A blue 'Register' button is located below the 'Designation' field. At the bottom of the form, there are two links: 'Forgot your password?' and 'Back to login'.

Figure – 3.1 Launch Page – Registration

## 5.2 Dashboard

After logging in, the admin will redirect to this page. This page shows an overall summary of the organization. As shown in figure 3.2

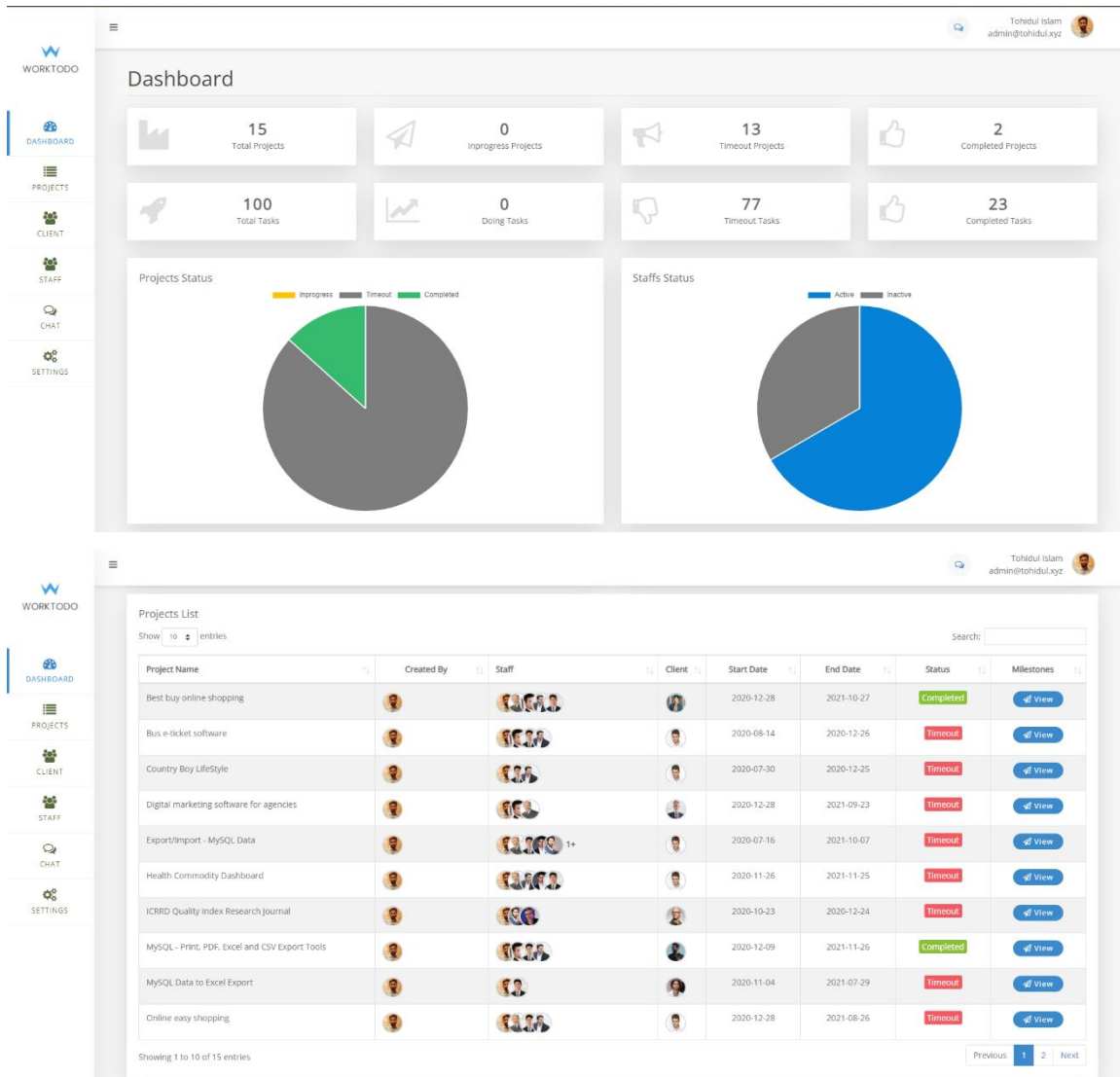
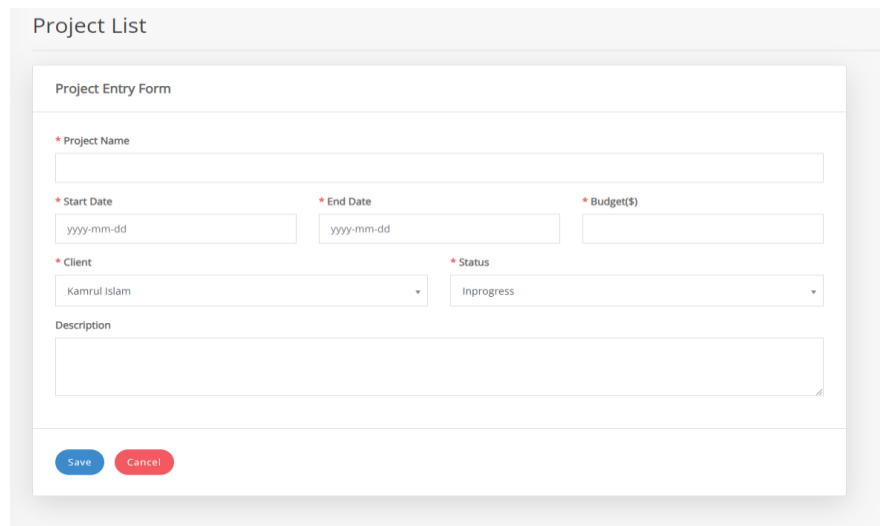


Figure – 3.2 Dashboard

### 5.3 Create Projects

My “Design and Development Task Management Web Application” focuses on enhancing project management by providing a structured and efficient environment for organizing and tracking tasks across various projects. As shown in figure 3.3



The screenshot shows a 'Project List' interface with a 'Project Entry Form' modal. The form contains the following fields:

- \* Project Name**: A text input field.
- \* Start Date**: A date input field with a placeholder 'yyyy-mm-dd'.
- \* End Date**: A date input field with a placeholder 'yyyy-mm-dd'.
- \* Budget(\$)**: A text input field.
- \* Client**: A dropdown menu with 'Kamrul Islam' selected.
- \* Status**: A dropdown menu with 'Inprogress' selected.
- Description**: A large text area for project details.

At the bottom of the form are two buttons: 'Save' (blue) and 'Cancel' (red).

Figure – 3.3 Create Project

### 5.4 Project List

The Project List feature in our “Design and Development Task Management Web Application” serves as a centralized hub for managing and monitoring all projects within an organization. As shown in fig 3.4

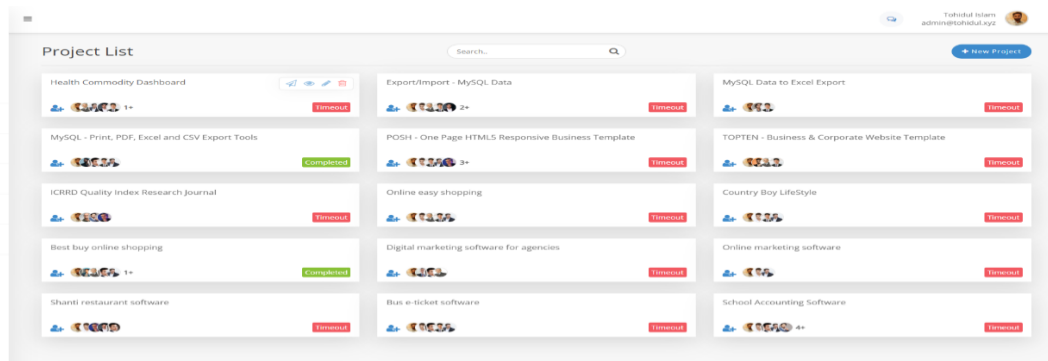
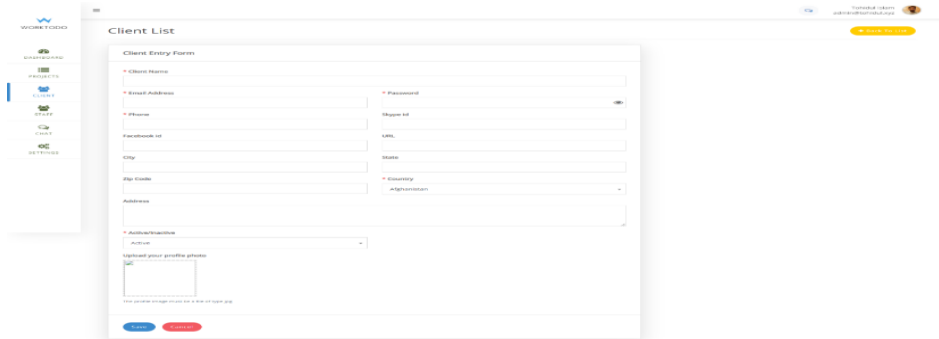


Figure – 3.4 Project List

## 5.5 Create Client

The "Create Client" feature in our “Design and Development Task Management Web Application” simplifies the process of adding and managing client information within the system. As shown in figure no 3.7

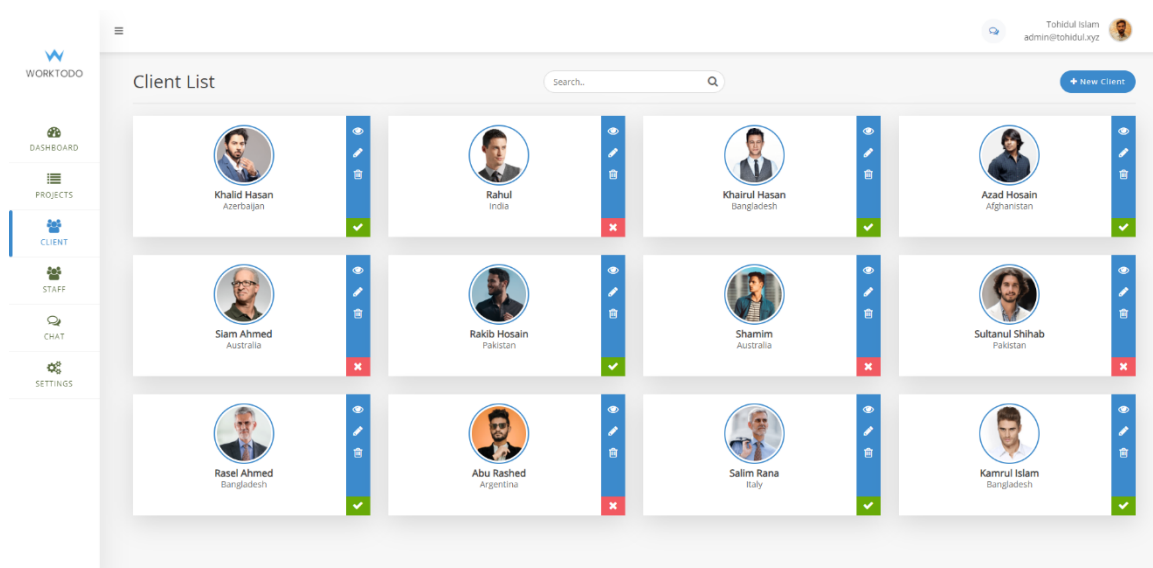


The screenshot shows the 'Client Entry Form' within the 'Client List' section. The form is titled 'Client Entry Form' and contains several input fields for client information. The fields are organized into two columns. The left column includes fields for 'Client Name', 'Email Address', 'Phone', 'Facebook ID', 'City', 'Age Range', and 'Address'. The right column includes fields for 'Password', 'Email ID', 'Last', 'State', 'Gender', and 'Registration'. There is also a 'Add/Update/Remove' dropdown menu at the bottom of the form. The form is set against a light gray background with a sidebar on the left and a top navigation bar.

Figure – 3.7 Create Client

## 5.6 Client List

The Client List feature in our “Design and Development Task Management Web Application” provides a centralized and organized view of all client information, essential for effective client management and communication.



The screenshot shows the 'Client List' feature, which displays a grid of client profiles. Each profile includes a circular profile picture, the client's name, and their location. The profiles are arranged in a 3x4 grid. Each profile has a blue vertical bar on the right side with icons for editing, deleting, and viewing details. A search bar is located at the top of the grid, and a 'New Client' button is in the top right corner. The sidebar on the left shows the 'CLIENT' tab selected.

| Client Name     | Location    | Status   |
|-----------------|-------------|----------|
| Khalid Hasan    | Azerbaijan  | Active   |
| Rahul           | India       | Inactive |
| Khairul Hasan   | Bangladesh  | Active   |
| Azad Hosain     | Afghanistan | Active   |
| Slam Ahmed      | Australia   | Inactive |
| Rakib Hosain    | Pakistan    | Active   |
| Shamim          | Australia   | Inactive |
| Sultanul Shihab | Pakistan    | Inactive |
| Rasel Ahmed     | Bangladesh  | Active   |
| Abu Rashed      | Argentina   | Inactive |
| Salim Rana      | Italy       | Active   |
| Kamrul Islam    | Bangladesh  | Active   |

Figure – 3.8 Client List

## 5.7 Create Staff

The "Create Staff" feature in our “Design and Development Task Management Web Application” simplifies the process of adding and managing Staff information within the system. As shown in fig 3.9

The screenshot displays the 'Create Staff' interface within the 'WORKTODOO' application. A sidebar on the left contains navigation links for DASHBOARD, PROJECTS, CLIENT, STAFF (the active section), CHAT, and SETTINGS. The main content area is titled 'Staff List' and features a 'Staff Entry Form' modal. The form includes the following fields: 'Staff Name', 'Email Address', 'Password' (with a toggle for visibility), 'Designation', 'Phone', 'Skype id', 'Facebook id', 'Address', 'Active/Inactive' (a dropdown menu currently set to 'Active'), and 'Roles' (a dropdown menu currently set to 'Staff'). Below these fields is a section for 'Upload your profile photo' with a placeholder image and a note stating 'The profile image must be a file of type jpg'. At the bottom of the form are 'Save' and 'Cancel' buttons. The top right of the application shows the user profile 'Tohidul Islam' with the email 'admin@tohidul.xyz' and a 'Back To List' button.

Figure – 3.9 Create Staff

## 5.8 Staff List

The Staff List feature in our “Design and Development Task Management Web Application” provides a centralized and organized view of all Staff information, essential for effective client management and communication. As shown in figure no 3.10

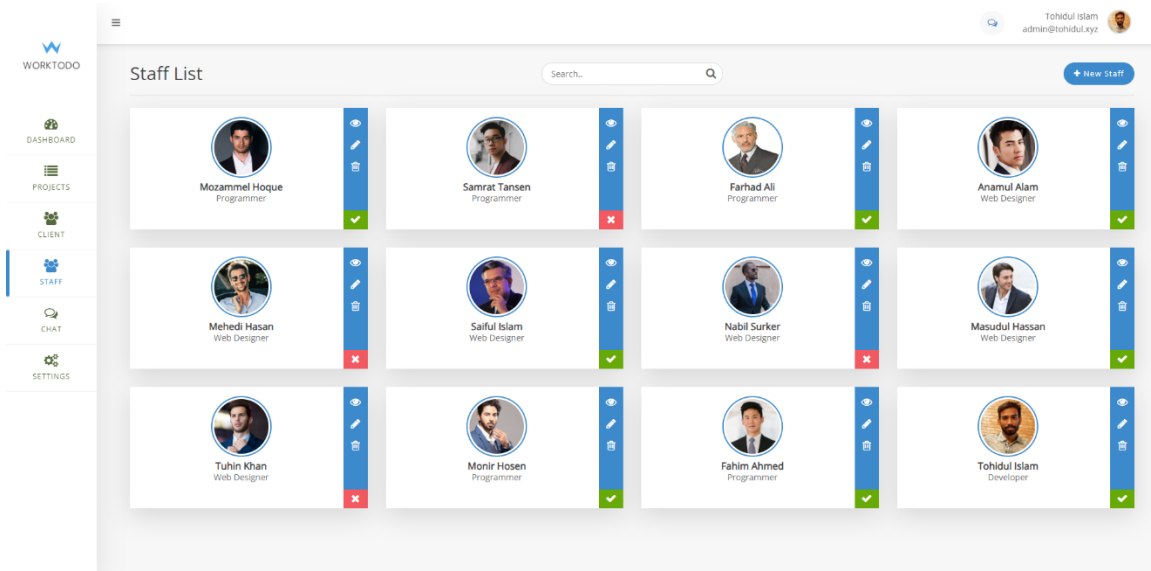


Figure – 3.10 Staff List

## 5.9 Chat System

My “Design and Development Task Management Web Application” Chat System seamlessly integrates task management with team communication, creating a streamlined workflow for maximum productivity. Shown in fig 3.13

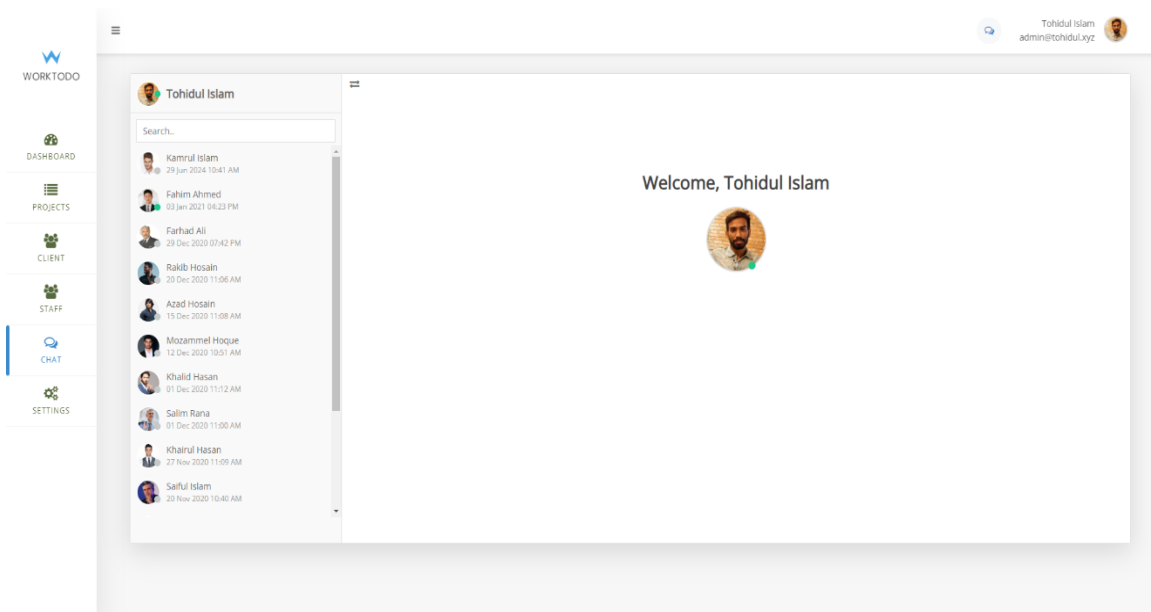


Figure – 3.13 Chat System

## 5.10 Settings

My “Design and Development Task Management Web Application” offers a robust settings section, allowing you to tailor the app to your specific needs and preferences.

### Key Settings:

- **Profile Management:** Update your personal information, profile picture, and contact details.
- **Notification Preferences:** Customize how and when you receive notifications for task updates, reminders, and messages.
- **Theme and Appearance:** Choose between light and dark modes, and personalize the app’s look and feel with various themes.
- **Privacy and Security:** Adjust privacy settings, manage data sharing permissions, and enable two-factor authentication for added security.
- **Task Preferences:** Set default task priorities, due dates, and recurring task options to streamline your workflow.
- **Integration Settings:** Connect and manage integrations with other tools and apps, such as calendars, file storage services, and communication platforms.
- **Language and Region:** Select your preferred language and regional settings for date, time, and currency formats.
- **Account Management:** View and manage your subscription, billing information, and app usage statistics.
- **Backup and Restore:** Ensure your data is safe with automatic backups, and easily restore your information if needed.
- **Support and Feedback:** Access help resources, contact customer support, and provide feedback to help us improve the app.
- **Benefits:**
- **Personalized Experience:** Adjust settings to match your work style and preferences, making the app work for you.
- **Enhanced Security:** Protect your data and ensure your information remains confidential and secure.

- **Efficient Management:** Simplify your workflow by customizing task settings and integrating with other tools you use daily.
- **Responsive Support:** Get the help you need when you need it, and contribute to the app's ongoing improvement.

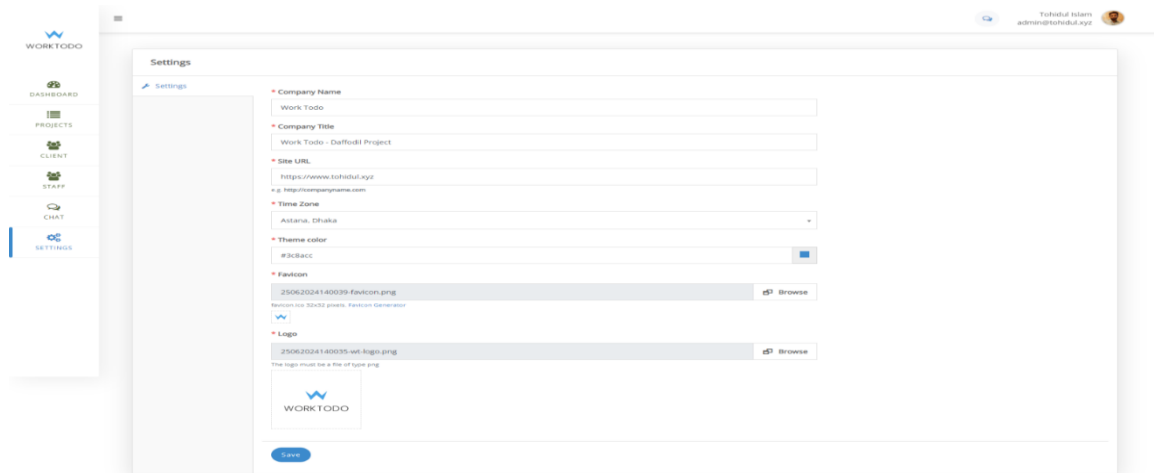


Figure – 3.15 Settings

## CHAPTER 6

### CONCLUSION AND FUTURE SCOPE

#### 6.1 Discussion and Conclusion

##### Discussion

My Work To-Do App is designed to streamline task management and enhance team collaboration. Throughout the development process, we focused on creating a user-friendly interface, robust features, and seamless integration with other tools. Here's a closer look at the key elements that set our app apart:

- **User Experience:** We prioritized an intuitive design, ensuring that users can easily navigate through tasks, messages, and settings. The app's layout is clean and organized, reducing the learning curve and increasing efficiency.
- **Collaboration:** The integrated chat system allows for real-time communication, enabling teams to discuss tasks, share updates, and solve problems quickly. This fosters a collaborative environment where team members can work together more effectively.
- **Task Management:** With features such as task assignment, deadlines, and reminders, users can stay on top of their responsibilities. The app's calendar view provides a comprehensive overview of upcoming tasks and deadlines, aiding in better time management.
- **Customization:** The extensive settings options allow users to tailor the app to their preferences. From notification settings to theme customization, users can create a personalized experience that suits their work style.
- **Security:** We implemented robust security measures to protect user data. Privacy settings, data sharing permissions, and two-factor authentication ensure that users can trust our app with their information.

## Conclusion:

The Work To-Do App is a powerful tool for improving productivity and collaboration within teams. By integrating task management and communication features, we provide a comprehensive solution that meets the needs of modern workplaces. Here are the key takeaways:

- **Enhanced Productivity:** By combining task management with real-time communication, our app helps user's complete tasks more efficiently and stay organized.
- **Improved Collaboration:** Teams can communicate seamlessly within the app, ensuring that everyone is on the same page and can contribute effectively.
- **User-Centric Design:** Our focus on user experience and customization ensures that the app is accessible and adaptable to various work styles and preferences.
- **Data Security:** We prioritize the security and privacy of user data, providing peace of mind to our users.

## 6.2 Future work and Further Development

As we look to the future, our goal is to continually enhance the Work To-Do App, ensuring it remains a cutting-edge tool for productivity and collaboration. Key areas of focus for future development include:

- **Advanced Analytics:** Implementing more detailed analytics and reporting features to provide users with deeper insights into their productivity, task completion rates, and team performance.
- **AI Integration:** Introducing AI-driven features such as smart task suggestions, automated task prioritization, and predictive analytics to help users manage their workloads more efficiently.

- **Enhanced Collaboration Tools:** Expanding collaboration capabilities with features like video conferencing, shared workspaces, and advanced project management tools to facilitate better teamwork.
- **Mobile Enhancements:** Improving the mobile app experience with additional functionalities, offline access, and optimized performance for a seamless user experience on the go.
- **Customizable Dashboards:** Allowing users to create personalized dashboards with widgets and reports tailored to their specific needs and preferences.
- **Gamification:** Incorporating gamification elements such as achievement badges, progress tracking, and team challenges to motivate users and promote engagement.
- **Third-Party Integrations:** Expanding the range of integrations with other popular tools and platforms, enabling users to create a more interconnected and efficient workflow.
- **User Feedback Loop:** Establishing a more robust feedback system where users can easily submit suggestions, report issues, and participate in beta testing for new features.

### **Further Development:**

Our commitment to further development is rooted in our dedication to delivering a superior user experience. We plan to focus on the following aspects:

- **User-Centric Design:** Continuously refining the user interface and experience based on user feedback and usability testing to ensure the app remains intuitive and user-friendly.
- **Security Enhancements:** Keeping up with the latest security standards and practices to safeguard user data and maintain user trust.

- **Scalability:** Ensuring the app can scale efficiently to support larger teams and organizations, with performance optimizations and infrastructure improvements.
- **Localization:** Expanding language support and localization efforts to make the app accessible to a global audience, catering to diverse user needs.
- **Accessibility:** Enhancing accessibility features to ensure the app is usable by individuals with disabilities, adhering to best practices and standards for inclusive design.

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## Report

### ORIGINALITY REPORT

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