RAJALAKSHMI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

CS19611 - MOBILE APPLICATION DEVELOPMENT PROJECT REPORT

TO DO LIST APP

Submitted by

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in partial fulfilment for the course for the degree of

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BONAFIDE CERTIFICATE

This project report titled **"TO DO LIST APP"** is the bonafide work of **KEERTHIGA P (220701125)**, who carried out the work under my supervision. Certified further that to the best of my knowledge, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred earlier.

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CS19611 – Mobile Application Development Laboratory held on_____.

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KEERTHIGA (220701125)

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CHAPTER 1

ABSTRACT

To-Do List App is a streamlined and efficient mobile application developed to help users manage tasks, improve productivity, and stay organized throughout their day. Primarily designed for Android devices, the application provides a clean and user-friendly interface that allows users to effortlessly add, edit, delete, and categorize tasks based on priority or deadlines. Task categories such as Work, Personal, Shopping, and Others help users maintain a well-structured overview of their responsibilities.

The app emphasizes simplicity and usability, incorporating smooth navigation, intuitive controls, and real-time task updates. Designed with modern UI/UX principles, the application ensures accessibility for users of all age groups, enabling them to quickly interact with their task lists and monitor their progress at a glance. To-Do List App is lightweight and optimized for seamless performance across a wide range of mobile devices.

From a technical standpoint, the project demonstrates essential mobile development capabilities, including dynamic data handling, event-driven interactions, and persistent data storage. Planned future enhancements may include features such as reminders and notifications, task prioritization with color coding, calendar integration, data backup to the cloud, and synchronization across multiple devices.

CHAPTER 2

INTRODUCTION

2.1 GENERAL

To-Do List App is a practical mobile application designed to help users effectively manage their daily tasks and stay organized. Built using Android Studio and Java, the app allows users to add tasks, set deadlines, and categorize activities under sections like Work, Personal, Shopping, and Others. It features a clean, interactive interface that enables users to track progress and maintain productivity with ease.

OBJECTIVE

- To develop a user-friendly mobile app that helps individuals manage and organize their daily tasks efficiently.
- To provide a clear and categorized task view for better time and priority management.
- To enhance the user experience with responsive design, smooth transitions, and real-time task status updates.

2.2 EXISTING SYSTEM

Most existing to-do list apps are either too complex for everyday users or too basic, lacking essential features like task categories or status tracking. Many provide only a plain checklist experience without interactive elements, reminders, or customization options that support effective task management.

CHAPTER 3

LITERATURE SURVEY

Several mobile applications currently exist focusing on task and productivity management. Apps like "Google Tasks," "Microsoft To Do," and "TickTick" offer basic task creation and scheduling features. However, many existing systems often lack:

- A clean and easy-to-navigate UI.
- Instant task overview highlighting pending, completed, and overdue tasks.
- Simple category-wise organization without overwhelming menus.
- Offline functionality for users needing access without constant internet connectivity.

Research in mobile productivity tools highlights that users prefer minimal input steps, quick task summaries, and categorized views for effective task management. However, many apps are cluttered with ads, require complex account setups, or ask for unnecessary permissions, which can frustrate users and reduce app usability.

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CHAPTER 4

PROPOSED SYSTEM

4.1 SYSTEM OVERVIEW

To-Do List App improves upon existing systems by providing a clean, user-friendly task management solution that enables users to add, categorize, and monitor tasks efficiently. It offers real-time status updates, making it easy to track progress and stay organized without clutter or complexity.

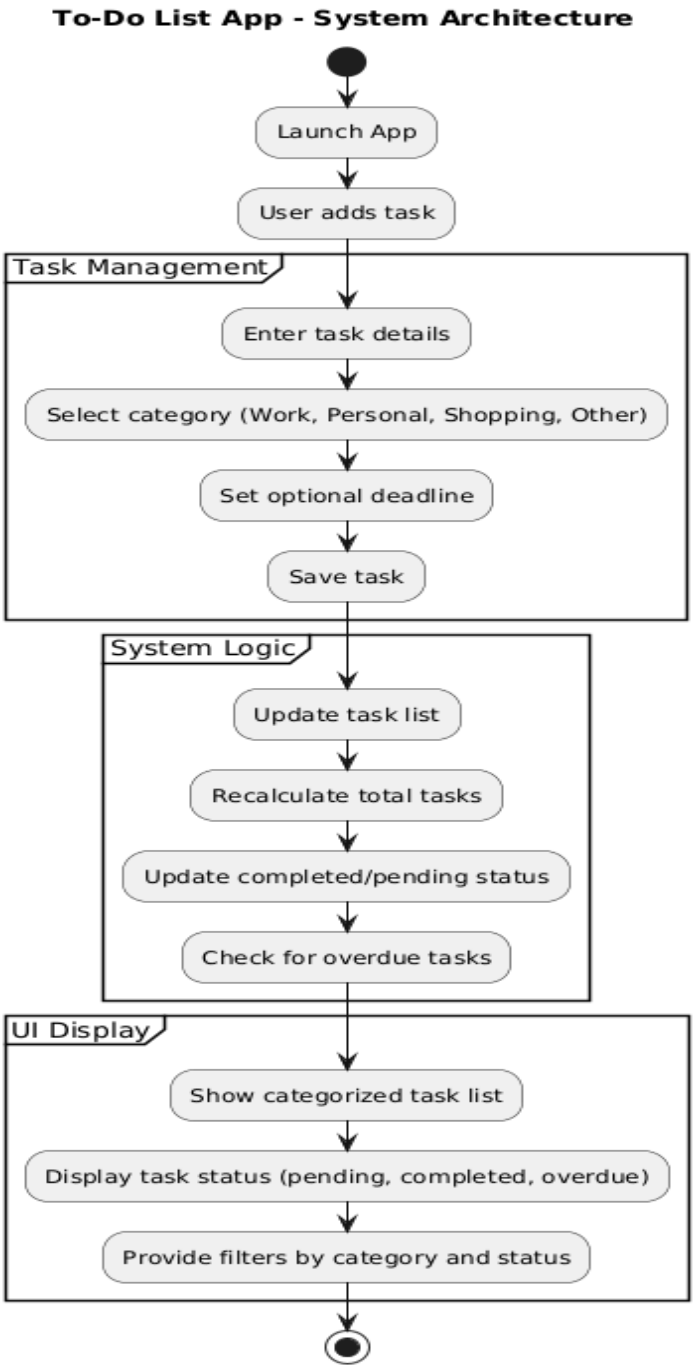
SYSTEM ARCHITECTURE

- User launches app
- Adds task entries
- Assigns tasks under specific categories (Work, Personal, Shopping, Other)

Application automatically updates:

- Total tasks created
- Tasks marked as completed or pending
- Overdue task alerts

Displays organized task list with category-wise breakdown and status filters



(Fig 3.1 System Architecture)

CHAPTER 5

MODUL DESCRIPTION

5.1 MODULES

- **Task Management Module:**

  Allows users to create, edit, and delete tasks with options to set deadlines and mark them as completed or pending.

- **Category Management Module:**

  Enables users to organize tasks under specific categories such as Work, Personal, Shopping, and Others for better task segmentation.

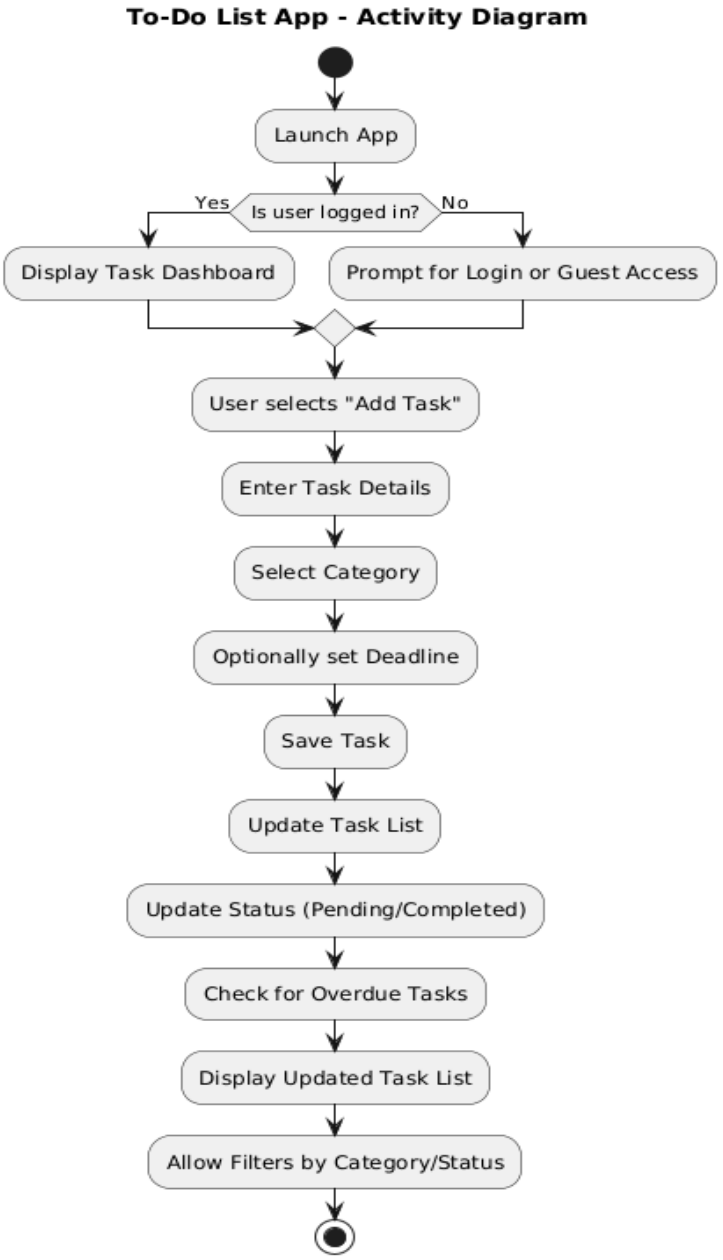
- **Task Status Tracking Module:**

  Automatically updates and displays task counts based on status—pending, completed, or overdue—offering a clear progress overview.

- **UI/UX Module**:

  Implements a clean, responsive Material Design-based layout with smooth transitions and easy navigation.

5.2 ACTIVITY DIAGRAM



(Fig 4.1 Activity Diagram)

CHAPTER 6

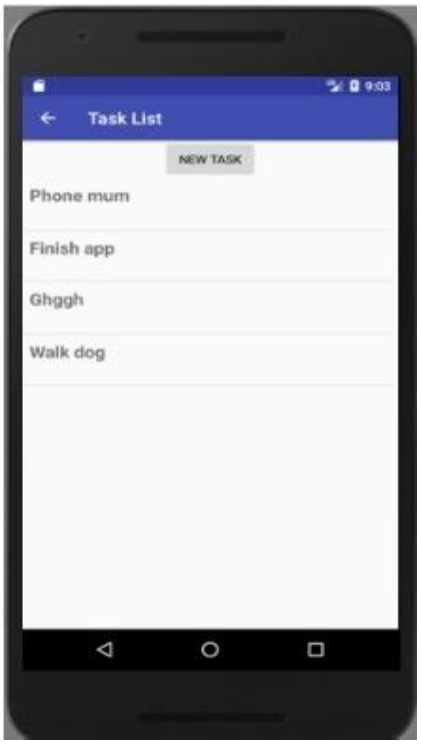
IMPLEMENTATION AND RESULTS

6.1 TOOLS USED

- Android Studio
- Java
- XML for UI
- SQLite (for storing expense amount)

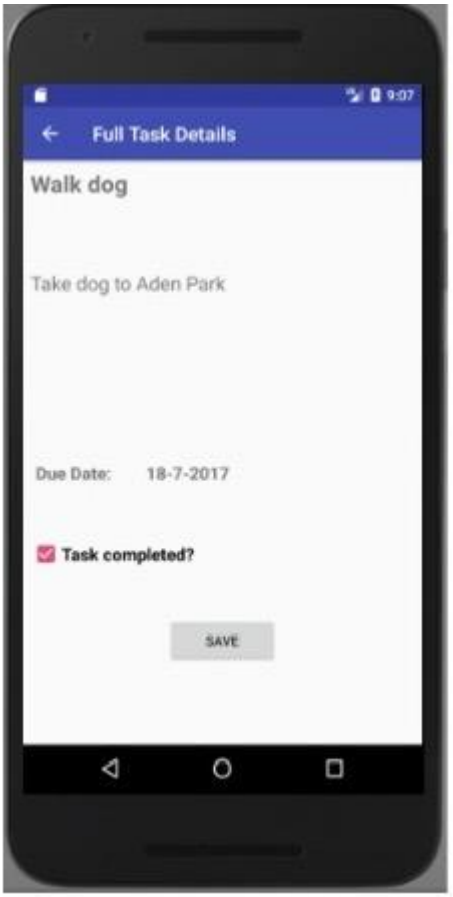
6.2 OUTPUT SCREENSHOTS

(Fig 6.1 App Home Page)



(Fig 6.2 Task list)

(Fig 6.3 New task details)



(Fig 6.4 Final Home page after) inserting all task)

CHAPTER 7

CONCLUSION AND FUTURE ENHANCEMENT

6.1 CONCLUSION

To-Do List App offers a simple yet effective solution for users to manage their daily tasks. With its clean user interface, easy categorization of tasks, and real-time status updates, the app provides a streamlined experience for better task organization and productivity.

6.2 FUTURE ENHANCEMENT

- Integrate task priority levels and color-coded categorization.
- Add recurring task functionality for repeating events.
- Implement push notifications for reminders and overdue tasks.
- Enable cloud synchronization to access tasks across multiple devices.

REFERENCES

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