

A Project Report
On
APP DEVELOPMENT

Submitted for partial fulfillment of the requirements for the subject

Project Based Learning (FE, IInd Semester)
of
BACHELOR OF ENGINEERING

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Designation



DEPARTMENT OF FIRST YEAR ENGINEERING
DR. D. Y. PATIL INSTITUTE OF TECHNOLOGY
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CERTIFICATE

This is to certify that the project work entitled “App Development ” is a bonafide work carried out by MR. DURGESH KATIGAR (ROLL NO.FF38) ,MR. SHREYASH DRAKSHE (ROLL NO.FF39). MR. ANURAG AGARWAL (ROLL NO.FF42),MR. NISHANT SADARE(ROLL NO,FF48),MR. AHINT SONAWANE (ROLL NO.FF52),MR. NISHANT SURVE (ROLL N0.FF62) in partial fulfillment of the requirements for the subject Project Based Learning (FE, IInd Semester) of degree of Bachelor of Engineering in First Year Engineering from Dr. D. Y. Patil Institute of Technology, Pimpri during the academic year 2021-2022

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Project Guide

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Dean F.E.

ACKNOWLEDGEMENT

Project Based Learning has always been played a key role in our education and learning ,experiencing and showing a creativity through our projects

We together have been working on this project this project a time now , and we are very thankful to our project guide Prof .Prachi karale ma'am who have been guiding on this project from very start and encourages us doing this project and helping us through time to time to our project whenever we needed to complete this project.

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We would also like to express our gratitude towards all the members involving in this project throughout the process and helping us to build ,create this project ,with their knowledge and their expertise in some of the astonishing skills in Development , Designing ,and their great inputs which helped us throughout the project making process.

We also like to thank to all the people who helped in our projects ,their inputs were also a great help in our project building process and also our gratitude towards Prof. Prachi karale ma'am who help us and been an inspiration to us throughout the project and guiding us through all the problems and solving it .

At last we are grateful and humble to admit that with our in depth knowledge we have created something solid and simple which is great at it own level .

ABSTRACT

The main objective of this project is to get organised and maintain a good way of doing our daily task and have a productive day . The app has a simple but a good user interference ,the app user functionality is simple , the App uses user input to get data of a user and then it organises the tasks that has been enter my a user in a form of list after the tasks has been inserted in it . After entering the tasks you will get a list of task that you have to do , and that's your 'To Do List' of the day or you can say as a 'Daily Tasks' . The App can guide you through your daily tasks and helps the user to be more productive at its best . The App has very simple User interference (UI) that helps user to quickly adapt the functions of the app and be ready to use it .

As we know that now a days in our life day to day work load is increasing ,our work scheludes is also increasing day by day , so this we noticed that problem and try to build a app that focuses on managing our daily tasks from basics and also managing our office works and for students their daily timetable as they need this type of apps to manage their busy scheludes of their schools ,colleges to other tasks at home and also at some works at outside .

Our aim of creating this app was just to solve the basic daily problems and organise our work in our daily lives . As we personally felt this problem as a student now so we try to create something that helps us and others in their daily lives . That's our main goal of these project to learn something new and also to solve a basic problem from everybodys lives that no one notices.

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CHAPTER I - INTRODUCTION

Objectives :

The main objective of the app is to get your tasks organise and be productive in our day to day life . the application is user friendly , simply you can say as the application is simple and very casual ,very light weight as it has a simple function to arrange our daily tasks and to keep remind of it .

Now a days people prefer to say technology in every aspects of their life and it is our part of our lives ,so this application gets rid of those old traditional techniques like writing on paper ,making notes etc it is a new way of doing our daily works in our this new era of technology

Problem Specification :

To create an application for a basic work like managing our tasks are out there but we thought to make our application more of a user friendly and light weight as it much not take any load or lags anytime you use it

So there were not much of such an application out there which can be used by most of the users so we pin out that problem and started working on this project to solve this problem which no one sees as or point out just because of how it small and minor it is .

Methodologies:

The project uses user inputs to gets user tasks to organised or make a list of it .There are many components to this projects to run at a time although it a very simple and solid app .

The first we need to talk is about the back end work of our application ,despite begin a very simple and solid app it has its own fundamental codes and tasks that run through the

background of our application. The whole app building work is done on Android studio using Java ,css,xml.

The next part of our application is about designing the whole user interference , despite begin simple and basic design the most crucial part is the design part because it defines the user interactions , so it has to be very simple a but very clean and attractive at same time . We used software like photoshop ,gimp,etc to create a great UI design that suits our project overall theme of simple and solid .

Contribution:

Despite begin our application be very simple and we know that there are lot of applications out there who does the same job as our does but the difference we are trying to make here is by making our app a real close to user interference and be friendly and be simple to use with good design layouts and very solid experience in using it. This application has one part which it does without any effort with a good user interference .

Layouts of the Project :

07:50

33%

New Tasks

T Enter the Title

+ Enter the note

ADD

07:50

33%

All Tasks

+

New Tasks

T Wednesday

 1. Maths

UPDATE NOTE

All Tasks

**Wednes
day**

1. Maths



Hello!



Add Your Tasks Here



CHAPTER II— SYSTEM DESIGN

→ System design and Implementation:-

- **Requirement Analysis**

Are you a list-maker? Probably. Do you make to-do lists? If so, do you also make other types of lists such as reading lists, checklists, shopping lists, and reference lists? Undoubtedly. Do you find it difficult to find the list app that best suits your method of list creation? There are many different tools out there that help you to create lists: most of them are focused on “to-do” checklists, and each have their own specialities to match the different ways in which we create lists.

- **Problem Identification**

The system is in the form of the module (classes) and function of each module are effectively connected and interfaces of each module are connected to each other to archive effective data collection

First module includes XML which contain information pages and background management system, as frontend displays pages include add note icon, side bar for the application information and background system includes information getting from user.

Second module:

It fronted includes popular list view as recycle view for showing the list of tasks and in background uses MVVM architecture to organise the database system effectively and it uses DAO interface is mainly use for handling data that will get is in form of live data type that's comes with Room database.

Third module:-

Data that is used is room database that's include CRUD (Create, read, update, delete) operation by this data is in stored in an efficient manner.

- **System design**

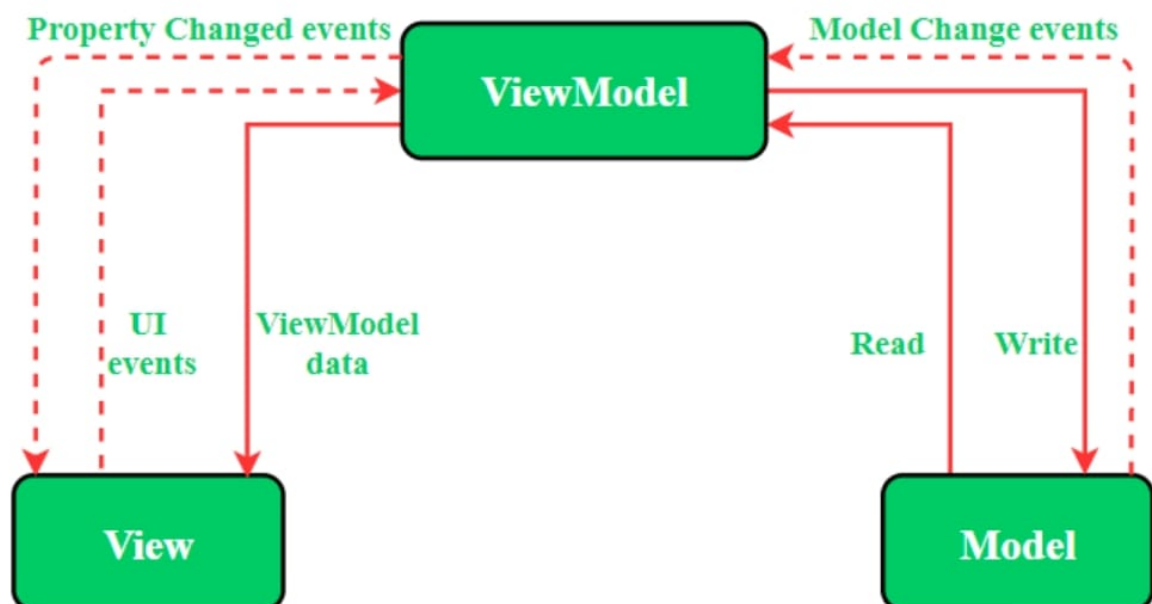
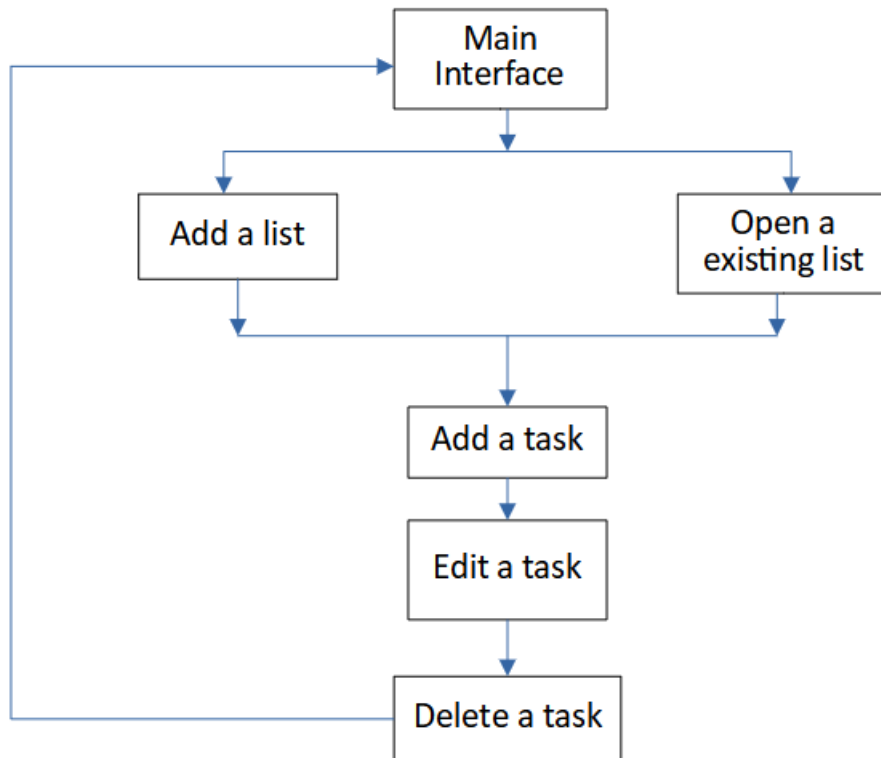
The implementation framework of this app is based on MVVM (model view view model) architecture which can be divided into activity/ fragment / UI view model.

The main function fragment/ UI/ view is to display the content of the interface on the mobile client receive users action on interface and it does not contain any application logic.

View model it exposes those data that are relevant to view or to serve as a link between the model and the view

Model is this layer is responsible for abstraction or collection of the data sources model and view model work together to save data

In order to organise our task user has only to click the add icon and title task related to it.



CHAPTER III – IMPLEMENTATION

This project has possible by using following software, programming languages:



PROGRAMMING LANGUAGES:-

1. JavaScript
2. Java
3. CSS
4. XML
5. HTML



SOFTWARES:

1. Android Studio
2. VS Code
3. Notepad++

CHAPTER IV – CONCLUSION AND FUTURE SCOPE

➔ CONCLUSION:

Whether your notes are vast or thin, make sure that you are capturing both the main ideas and the important details. Spend a few minutes after class summarizing your notes, or reviewing your notes and filling in gaps—it can help solidify what you learned in class. Reviewing your notes just before your next class can help you make connections from one class to the next.

Good notes are notes that you can use—to study for exams, to write your papers, and launch your projects.

To- Do List Making App makes our job easy to create, edit, customise by adding web links preview and many more!

➔ FUTURE SCOPE:

In upcoming years this app will boost the productivity of people and compete with various popular apps like Notability. It will be further developed and maintain time to time. Project will be FOSS forever, so anyone can contribute, add or recommend feature they want.