A
Project Report
On
"TODOIT – A To-do List App"

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3rd Semester Software Group Project (CE244)

Submitted at

CSE

DEPSTAR

At: Changa, Dist: Anand – 388421

OCT 2020

CERTIFICATE

This is to certify that the report entitled "**TODOIT – A To-do List App**" is a bonafied work carried out by **Mr. Param Jani (19DCS042)** under the guidance and supervision of **Prof. Aishwariya Budhrani** and **Prof. Chandrashekhar Pawar** for the subject CE244 **Software Group Project** CSE of 3rd Semester of Bachelor of Technology in **DEPSTAR** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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ACKNOWLEDGEMENT

I, the developer of the to-do list app named "ToDoit" Param Jani, with immense pleasure and commitment would like to present the project assignment. The development of this project has given me wide opportunities to think, implement and interact with various aspects of project development skills.

Every work that one completes successfully stands on the constant encouragement, good will and support of the people around. I hereby avail this opportunity to express my gratitude to number of people who extended their valuable time, full support and cooperation in developing the project.

I express deep sense of gratitude towards our Dean of FTE, Principal DEPSTAR, Dr. Amit Ganatra and project guides Prof. Aishwariya Budhrani and Prof. Chandrashekhar Pawar for the support during the whole session of study and development. It is because of them, that I was prompted to do hard work, adopting new skills.

I would also like to thank my project partners Alap Pandya and Ishaan Padmashali. They altogether provided me favorable environment, and without them it would not have been possible to achieve my goal.

Thank You,
Param Jani (19DCS042)

ABSTRACT

- In nowadays fast-moving world, a person cannot remember all the things he or she has to perform on a daily basis. Our app Todoit, helps you manage and plan your tasks in manner which is very efficient and easy to use.
- Todoit helps you make on the go crisp notes and plans about your tasks so that you can avoid carrying a pen and paper in this booming generation of technology.
- Travel enthusiasts can make awesome bucket lists and plan their next trips.
- The user can list down their long- and short-term goals and work accordingly and keep on updating the list as and when required.
- This app can bring an incremental change to the mental and physical health and thus help in improving the overall well-being of the user.

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PROJECT DEFINITION

- ToDoit is a software in the category of Task Management, Project Management, Productivity, "Getting Things Done", Scheduling, and Collaboration.
- ToDoit is a general-purpose, Android-based application, which can be used for simple home lists or to manage complex multi-user projects for business.
- A list of things that one wants to get done or that need to get done.
- Making a to-do list is an important first step but prioritizing that list ensures that you focus on the most important items rather than giving in to the temptation of working on less important items because they may stand out more or because they are easier to do.

DESCRIPTION

- ToDoit is an app created to improve the productivity of the user by helping in the accomplishment of daily tasks in a very efficient manner.
- It nurtures the needs of the user by providing a user interface which is very simple to understand and can be used daily very effortlessly.
- An efficient interface has been developed to make the process of noting down and managing tasks very easy and quick, which is not possible in the highly cluttered to-do list apps available in the market.
- Therefore, this app helps in improving the overall mental well-being of the user by keeping all the tasks in check.

SOFTWARE AND HARDWARE REQUIREMENTS

Software:

- Android Studio
- Android OS
- SQLite

Hardware:

- Minimum API Level Android 4.0.3(Ice Cream Sandwich)
- Minimum 8 GB RAM
- Core i3 processor

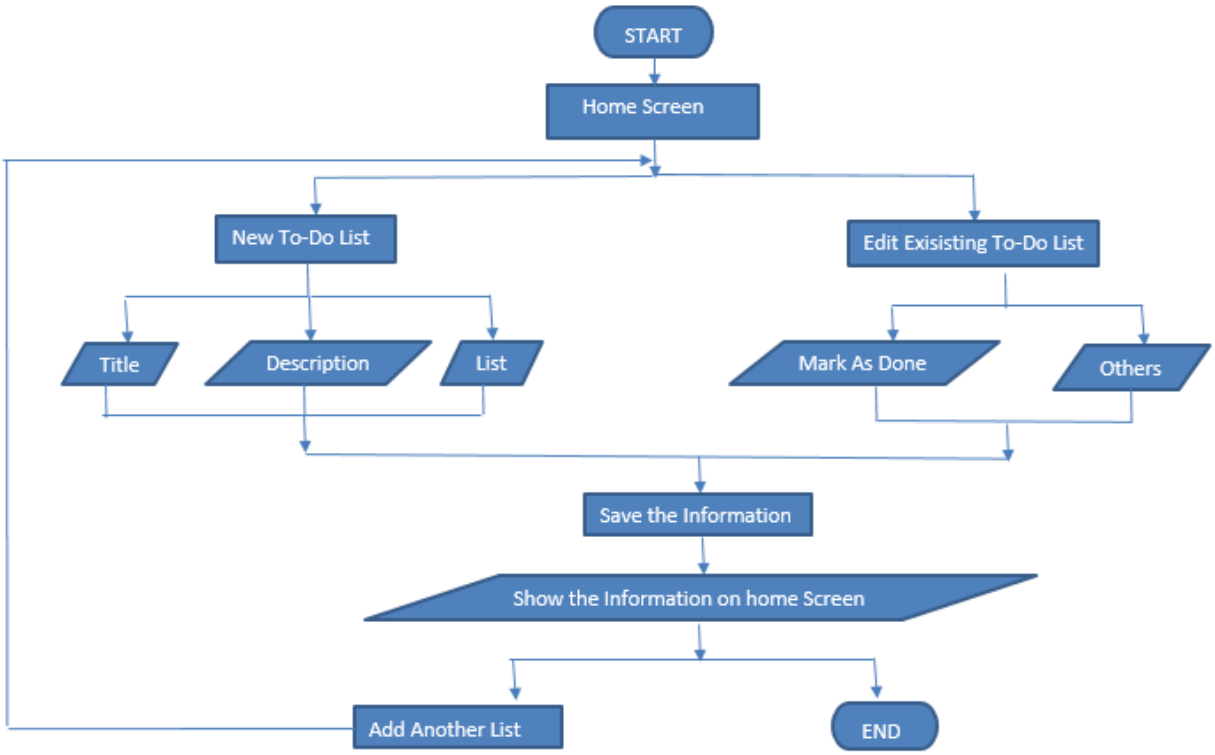
MAJOR FUNCTIONALITY

Some of our major functionalities are:

- Make tasks
- Edit tasks by swiping right
- Delete tasks by swiping left
- Check the task once the tasks are complete
- We have also added scrolling function

User will be welcomed by home screen which includes all the earlier tasks. On clicking the plus symbol on bottom right corner one can add new tasks.
If the user wants to edit a task, then it can be done by clicking on the task toddle or swiping right. Once edited option to save the task appears.
To delete some task one needs to swipe left and then confirmation tab open if you confirm task gets deleted else on clicking cancel task stays on home screen.
On individual task toddle on left option to check the task once complete. Once checked one has the option to again uncheck it.

SYSTEM FLOW CHART



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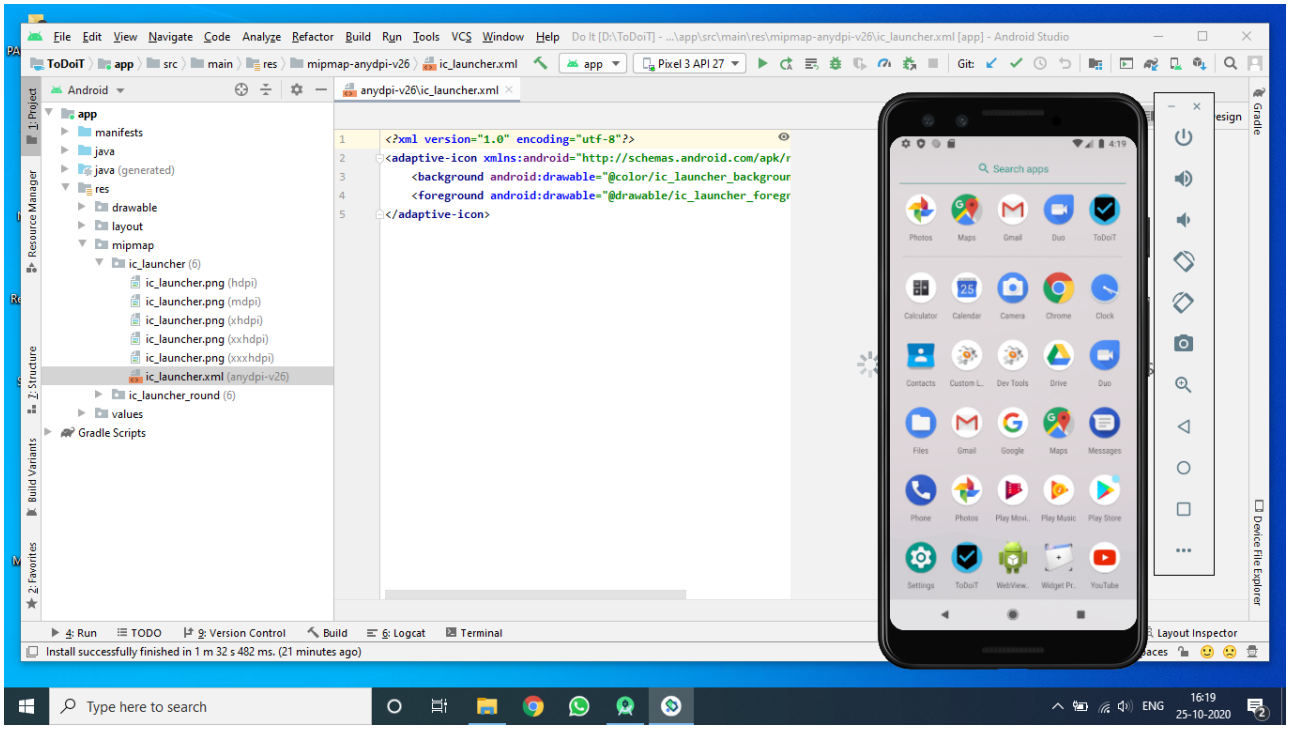
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<foreground android:drawable="@drawable/ic_launcher_foregr
</adaptive-icon>
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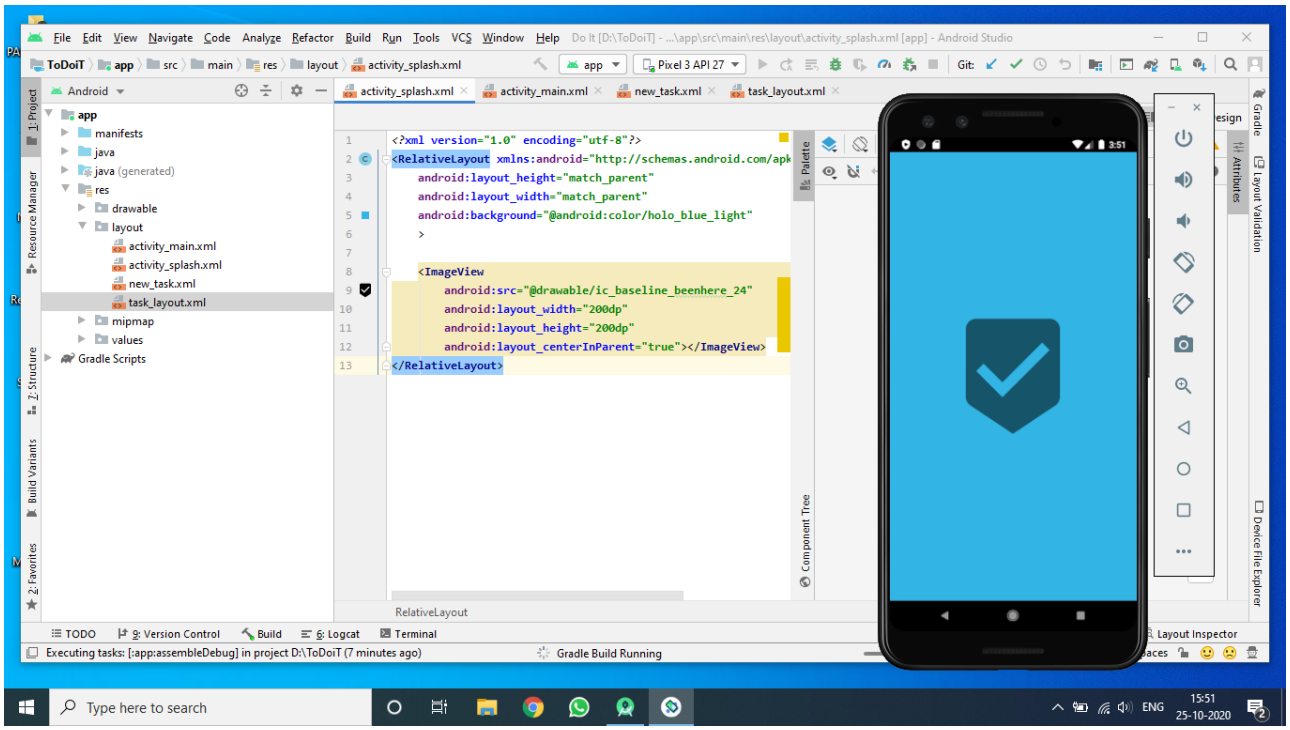
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Pixel 3 API 27
activity_splash.xml
activity_main.xml
new_task.xml
task_layout.xml
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android:layout_width="match_parent"
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>
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android:layout_width="200dp"
android:layout_height="200dp"
android:layout_centerInParent="true"></ImageView>
</RelativeLayout>
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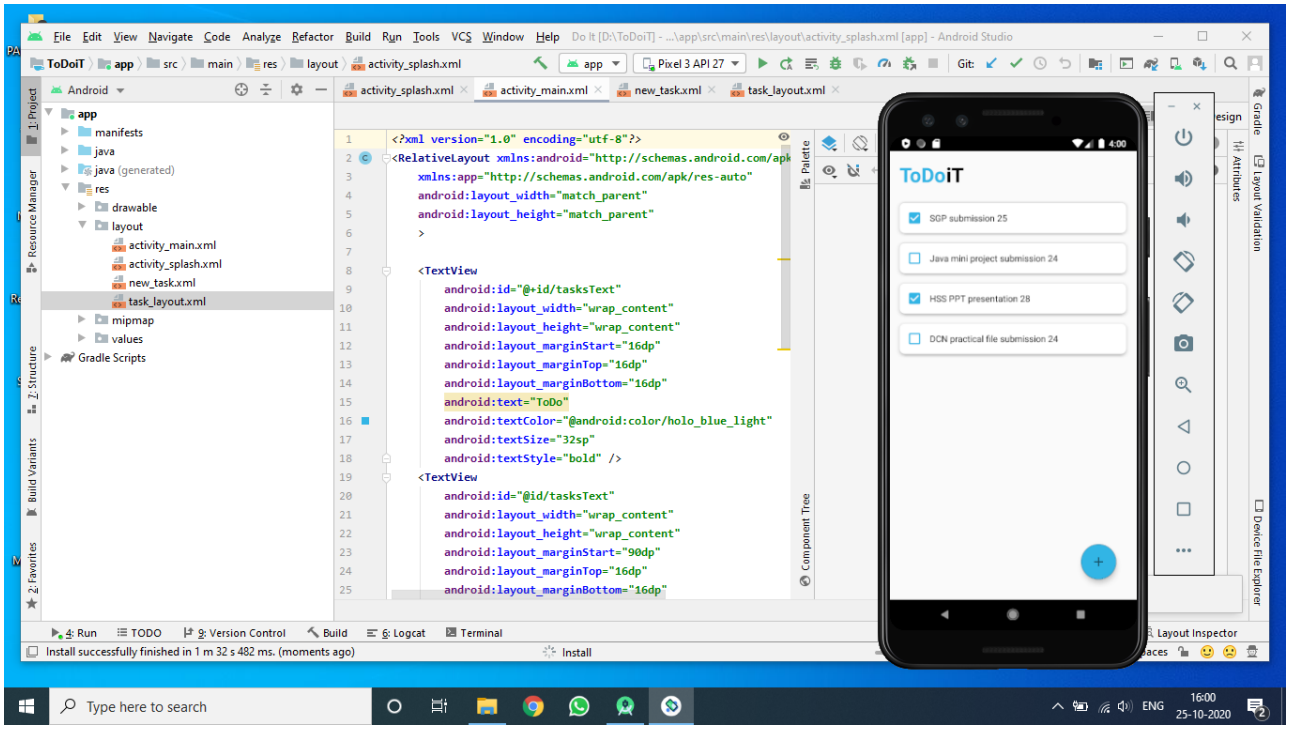
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activity_main.xml
new_task.xml
task_layout.xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk
xmlns:app="http://schemas.android.com/apk/res-auto"
android:layout_width="match_parent"
android:layout_height="match_parent"
>
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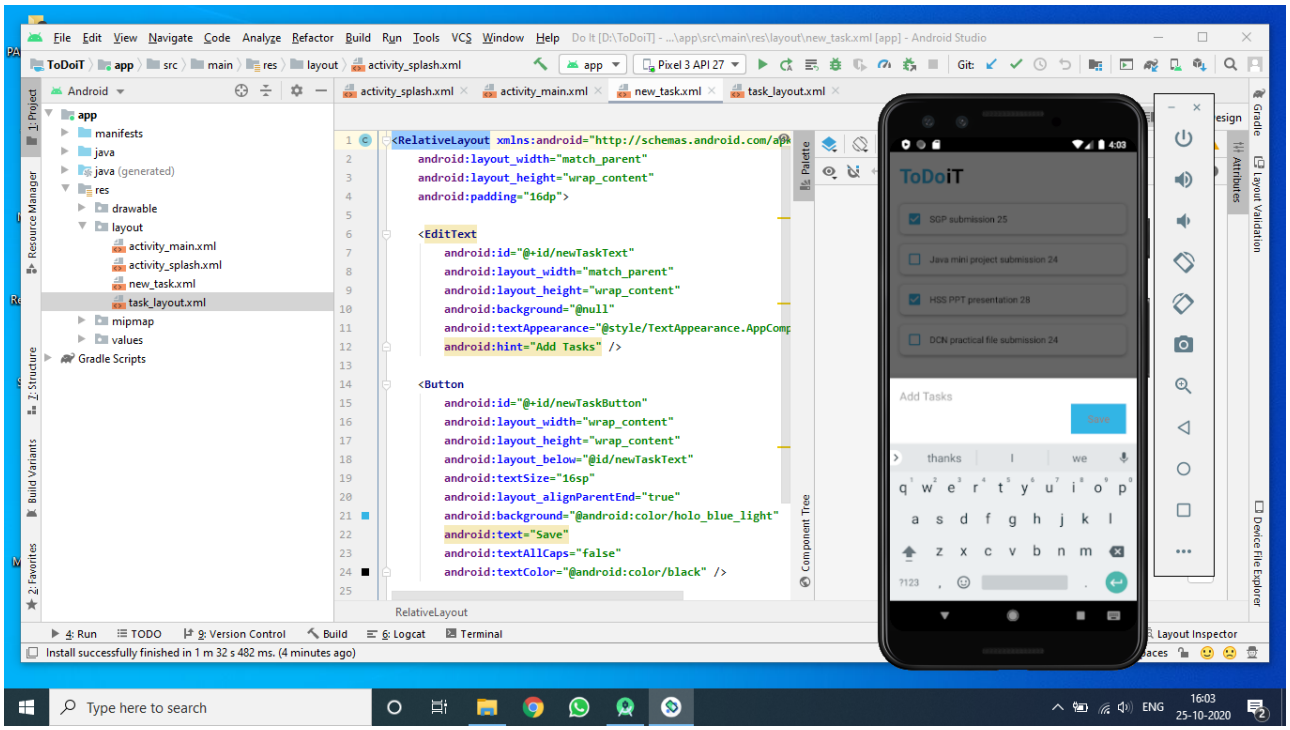
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android:layout_height="wrap_content"
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android:background="@android:color/holo_blue_light"
android:text="Save"
android:textAllCaps="false"
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Add Tasks
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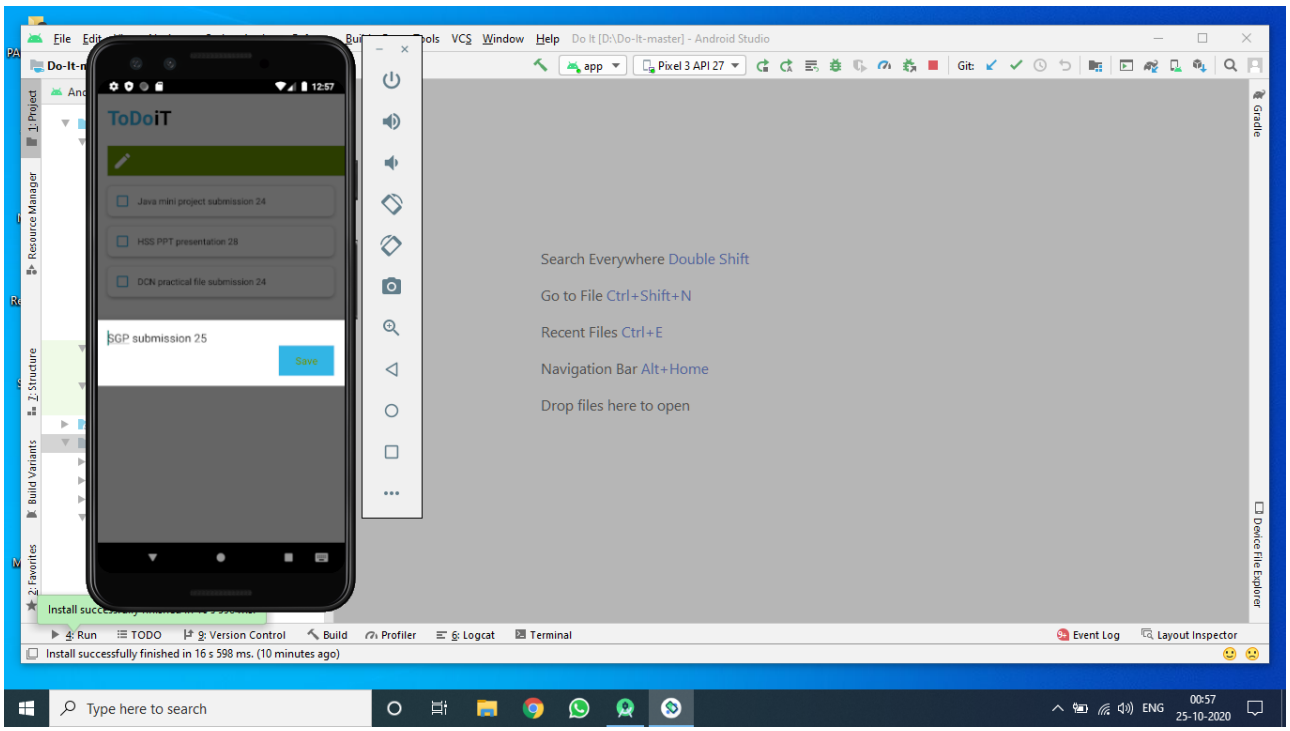
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Navigation Bar Alt+Home
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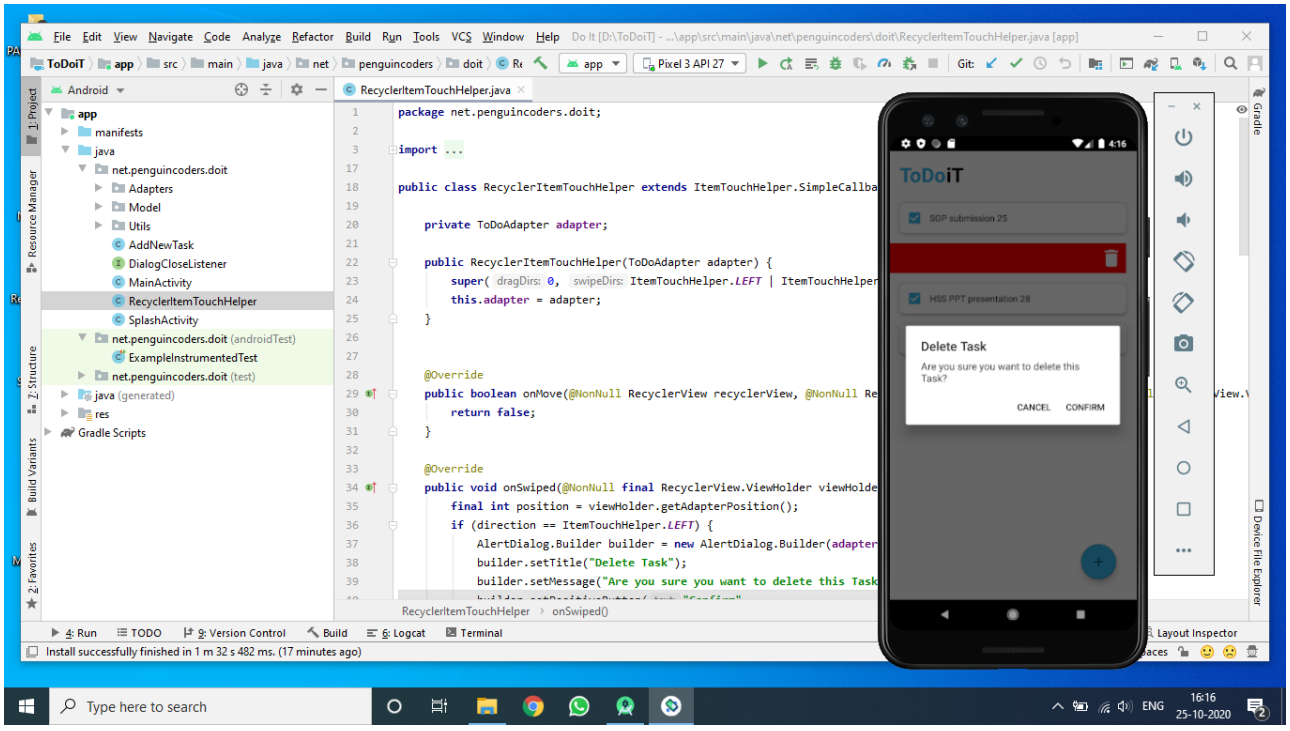
RecyclerItemTouchHelper.java
package net.penguincoders.doit;
public class RecyclerItemTouchHelper extends ItemTouchHelper.SimpleCallba
private ToDoAdapter adapter;
public RecyclerItemTouchHelper(ToDoAdapter adapter) {
super(dragDirs: 0, swipeDirs: ItemTouchHelper.LEFT | ItemTouchHelper
this.adapter = adapter;
@Override
public boolean onMove(@NonNull RecyclerView recyclerView, @NonNull Re
return false;
@Override
public void onSwiped(@NonNull final RecyclerView.ViewHolder viewHolde
final int position = viewHolder.getAdapterPosition();
if (direction == ItemTouchHelper.LEFT) {
AlertDialog.Builder builder = new AlertDialog.Builder(adapter
builder.setTitle("Delete Task");
builder.setMessage("Are you sure you want to delete this Task
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Are you sure you want to delete this Task?
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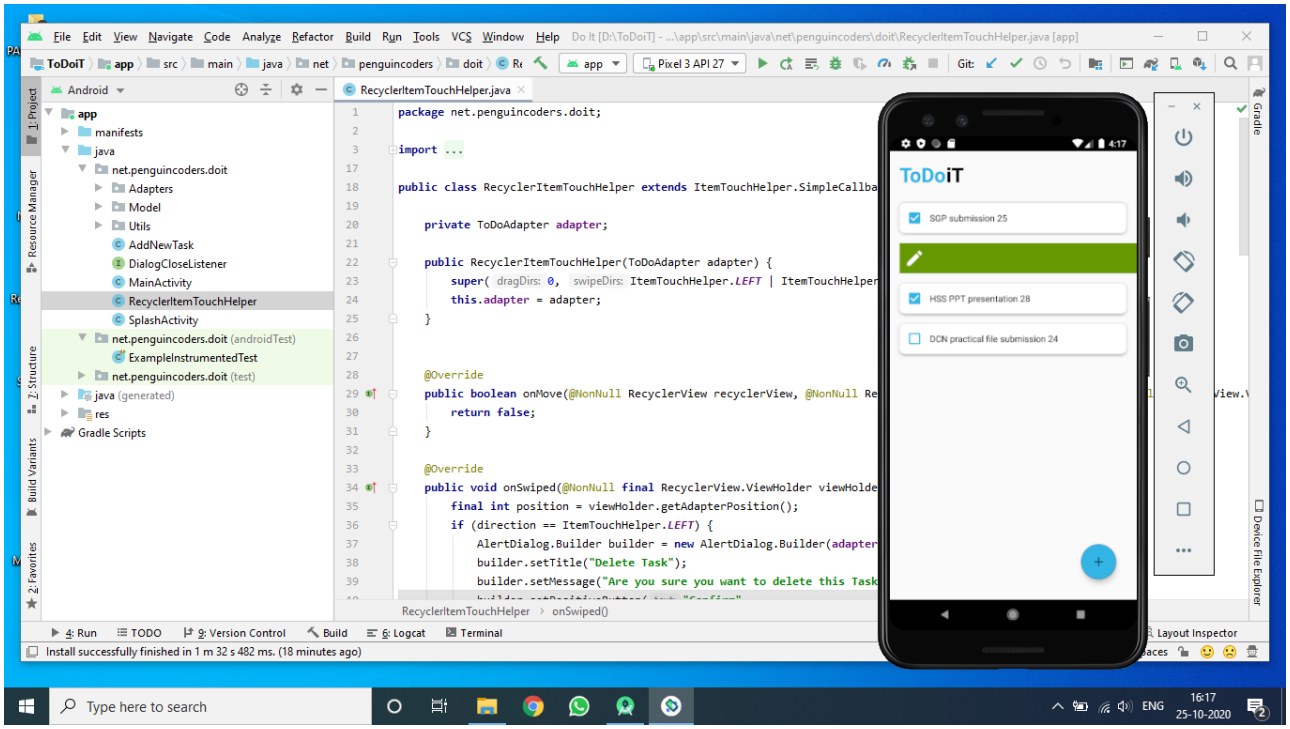
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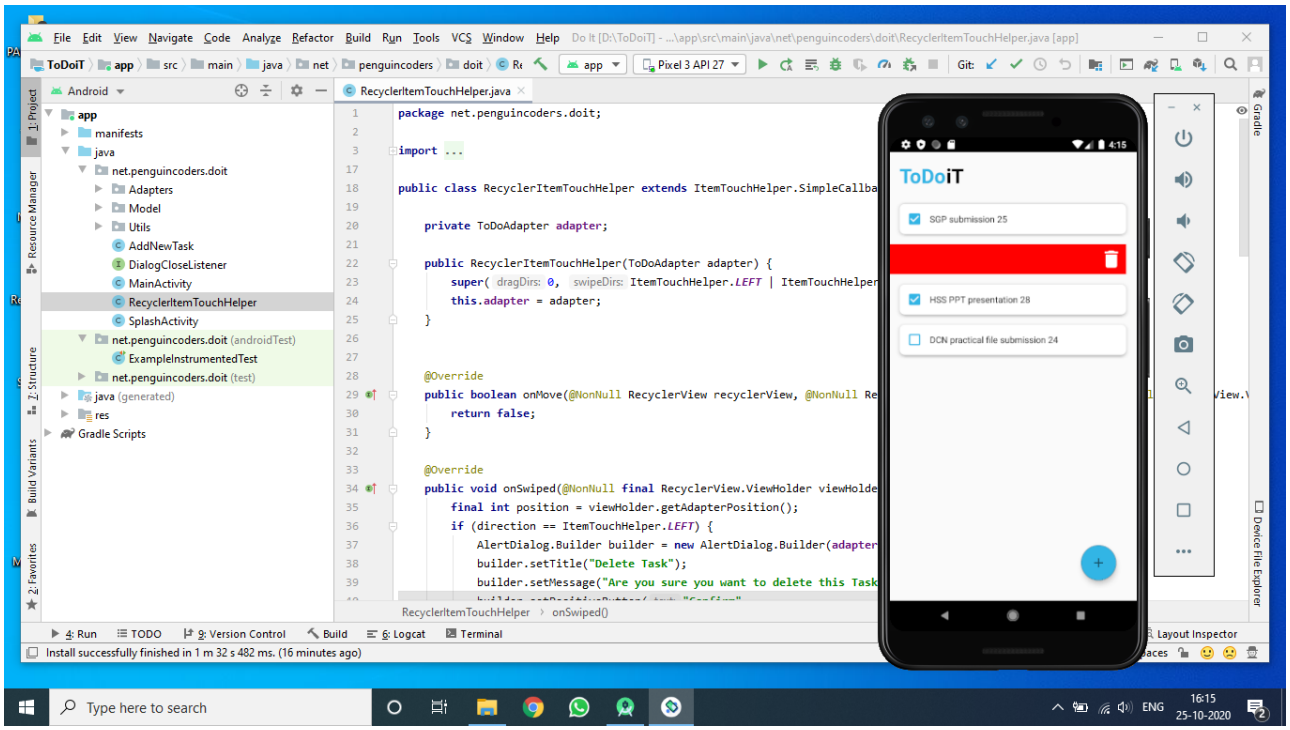
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LIMITATIONS OF THE PROJECT

- Gives you an excuse to remove tasks from your to-do list that you SHOULD do, but CAN put off
- No built-in alarm features
- Allows you to avoid these tasks as long as possible
- No reminders are given on a timely basis with the help of a calendar
- Promotes procrastination and task avoidance
- A lengthy running to-do list can be intimidating and cluttered

PROJECT OUTCOMES

- We developed this project for the main purpose of helping people from all strata of society to use an efficient and very easy to use to-do list app so that they can make and maintain an order of their tasks.
- By keeping such a list, you make sure that your tasks are written down all in one place so you don't forget anything important.
- User can organize their tasks with the most important tasks at the top of the list, and the least important tasks at the bottom
- Some additional features:
- Allow user to take notes in a simple way.
- Use of CRUD (Create, Read, Update, Delete) function.

FUTURE ENHANCEMENTS

We need to work more into creating better in-built functionalities like:

- Alarm
- Calendar system
- With the help of this feature user will be sent regular notifications about the pending tasks.
- We also aim to bring better and user friendly ui/ux.
- Adding features like saving of screenshots with a functionality of adding captions will also prove to be incremental.

REFERENCES

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- https://youtu.be/1ukSR1GRtMU