

Bahria University, Karachi Campus



COURSE: SEL-448

SOFTWARE APPLICATION FOR MOBILE DEVICES

TERM: SPRING 2024, CLASS: BSE- 6(B)

Submitted By:

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Signed

Remarks:

Score:

INDEX

SNO	DATE	LAB NO	LAB OBJECTIVE	SIGN
01	16/02	01	Introduction to Android Studio	

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LAB EXPERIMENT NO.

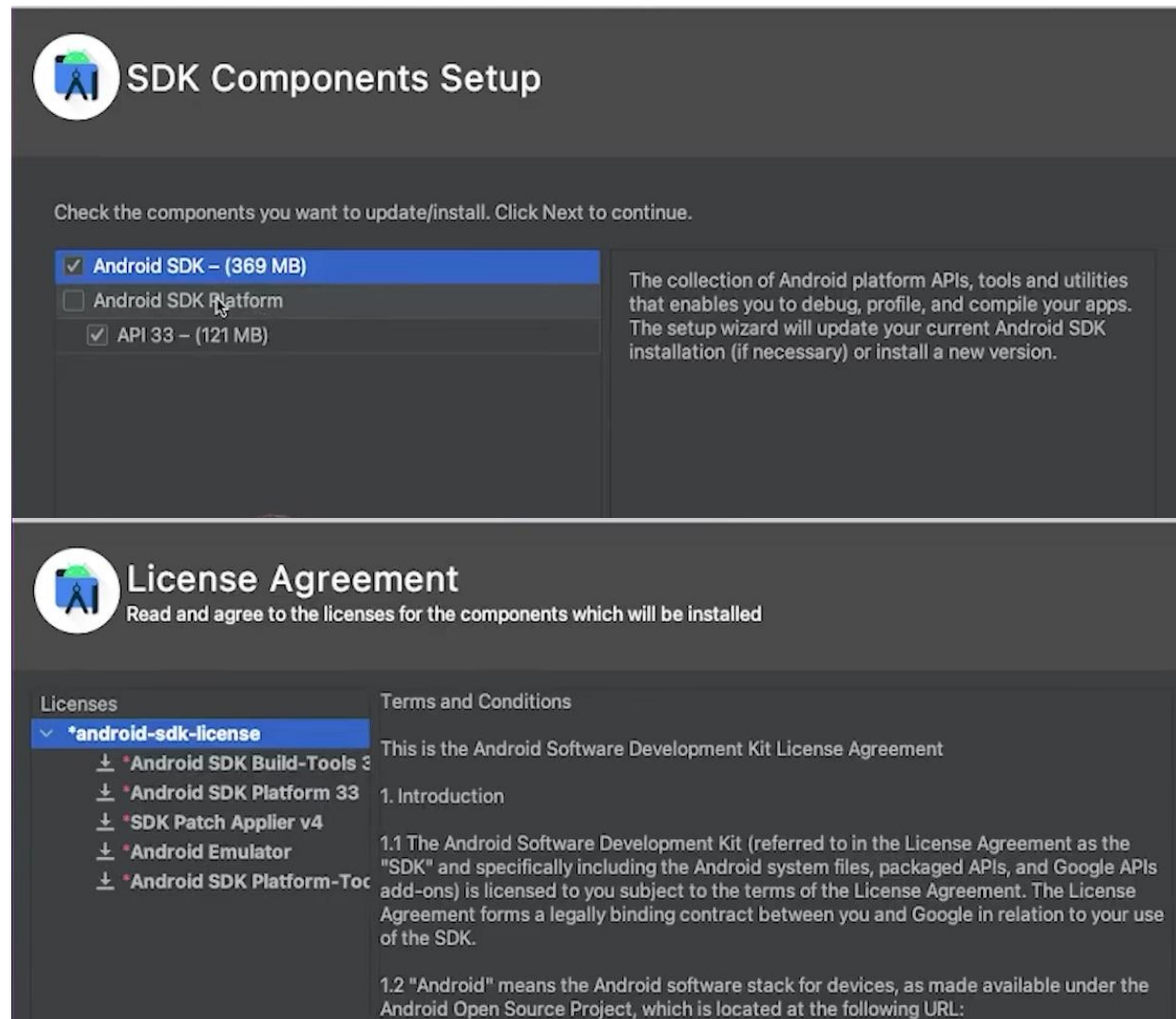
01

LIST OF TASKS

TASK NO	OBJECTIVE
01	Setup Android Studio on your system
02	Create a birthday Card Android App using Android Studio in Java language.

Submitted On:

Date: 15/02/2024

Task No 01: Setup Android Studio on your system**Solution:**

The image shows two screenshots from the Android Studio setup process. The top screenshot is the 'SDK Components Setup' window. It has a title bar with the Android Studio icon and the text 'SDK Components Setup'. Below the title bar, there is a message: 'Check the components you want to update/install. Click Next to continue.' There is a list of components with checkboxes: 'Android SDK - (369 MB)' is checked, 'Android SDK Platform' is unchecked, and 'API 33 - (121 MB)' is checked. To the right of the list, there is a description: 'The collection of Android platform APIs, tools and utilities that enables you to debug, profile, and compile your apps. The setup wizard will update your current Android SDK installation (if necessary) or install a new version.' The bottom screenshot is the 'License Agreement' window. It has a title bar with the Android Studio icon and the text 'License Agreement'. Below the title bar, there is a message: 'Read and agree to the licenses for the components which will be installed'. There are two main sections: 'Licenses' and 'Terms and Conditions'. Under 'Licenses', there is a list of licenses: '*android-sdk-license' (expanded), '*Android SDK Build-Tools 3', '*Android SDK Platform 33', '*SDK Patch Applier v4', '*Android Emulator', and '*Android SDK Platform-Toc'. Under 'Terms and Conditions', there is a heading 'This is the Android Software Development Kit License Agreement' and a section '1. Introduction'. The text under '1. Introduction' reads: '1.1 The Android Software Development Kit (referred to in the License Agreement as the "SDK" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to you subject to the terms of the License Agreement. The License Agreement forms a legally binding contract between you and Google in relation to your use of the SDK.' Below this, there is a section '1.2 "Android" means the Android software stack for devices, as made available under the Android Open Source Project, which is located at the following URL:'. The URL is partially visible and reads: 'https://source.android.com/...'

SDK Components Setup

Check the components you want to update/install. Click Next to continue.

- ☒ Android SDK – (369 MB)
- ☐ Android SDK Platform
- ☒ API 33 – (121 MB)

The collection of Android platform APIs, tools and utilities that enables you to debug, profile, and compile your apps. The setup wizard will update your current Android SDK installation (if necessary) or install a new version.

License Agreement

Read and agree to the licenses for the components which will be installed

Licenses

- *android-sdk-license
 - *Android SDK Build-Tools 3
 - *Android SDK Platform 33
 - *SDK Patch Applier v4
 - *Android Emulator
 - *Android SDK Platform-Toc

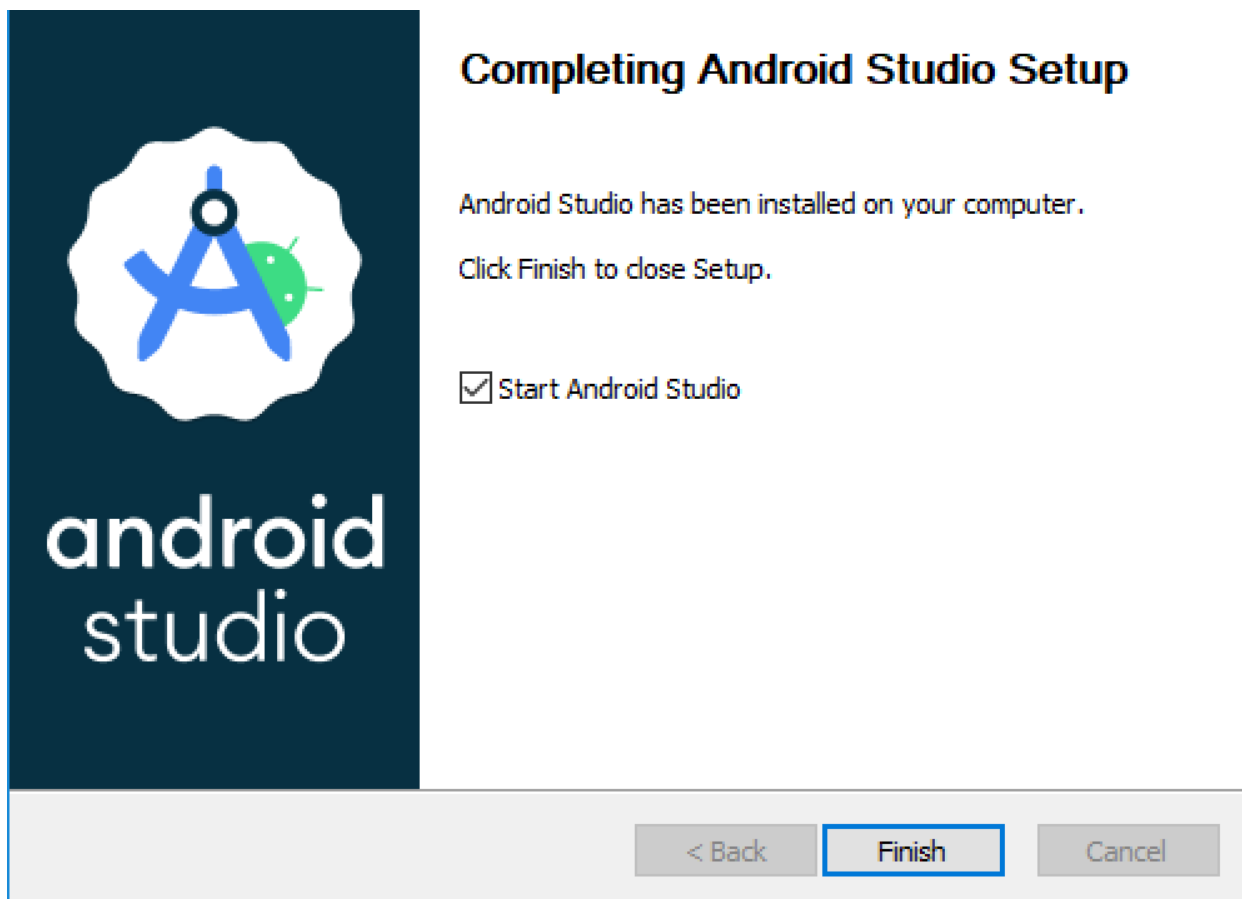
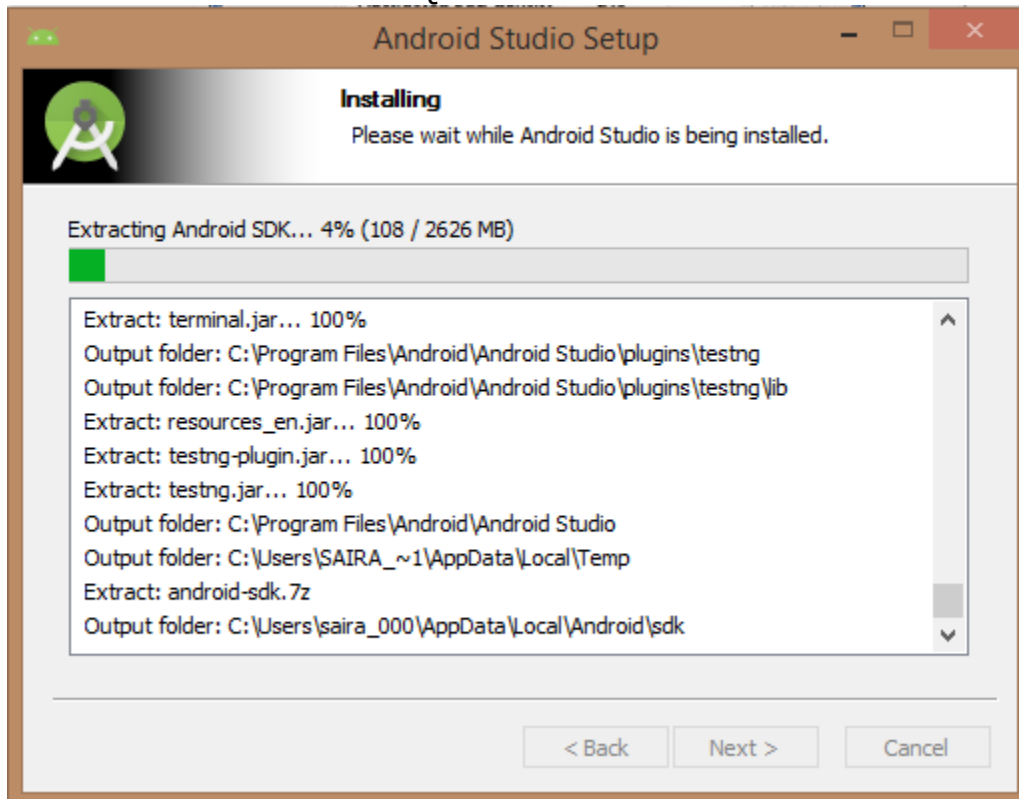
Terms and Conditions

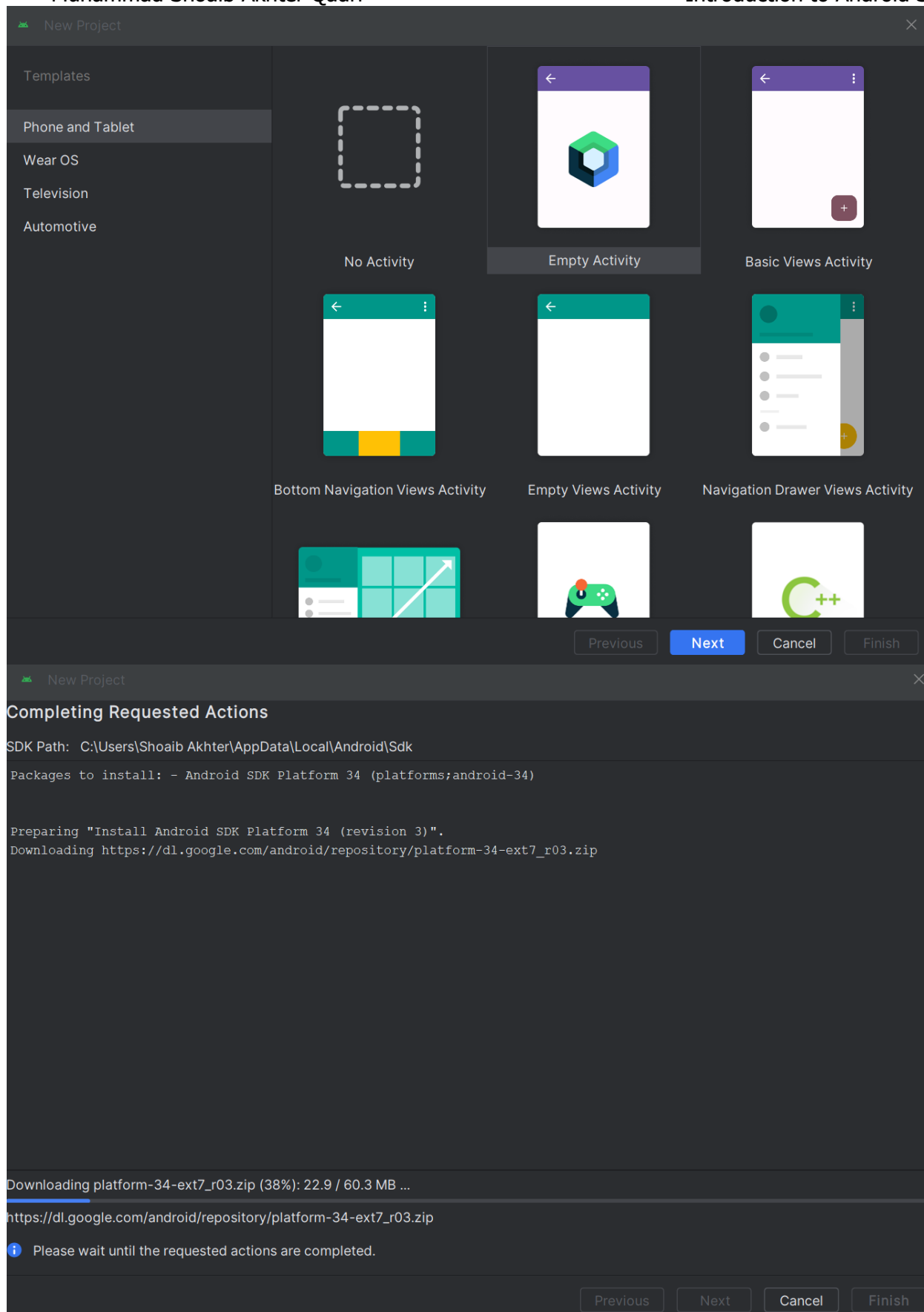
This is the Android Software Development Kit License Agreement

1. Introduction

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<https://source.android.com/>





Task No 02: Create a birthday Card Android App using Android Studio in Java language.

Solution:

```
package com.sartainstudios.addimage;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ImageView;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        ImageView myImageView = (ImageView) findViewById(R.id.my_image_view);
    }
}
```

Output:

