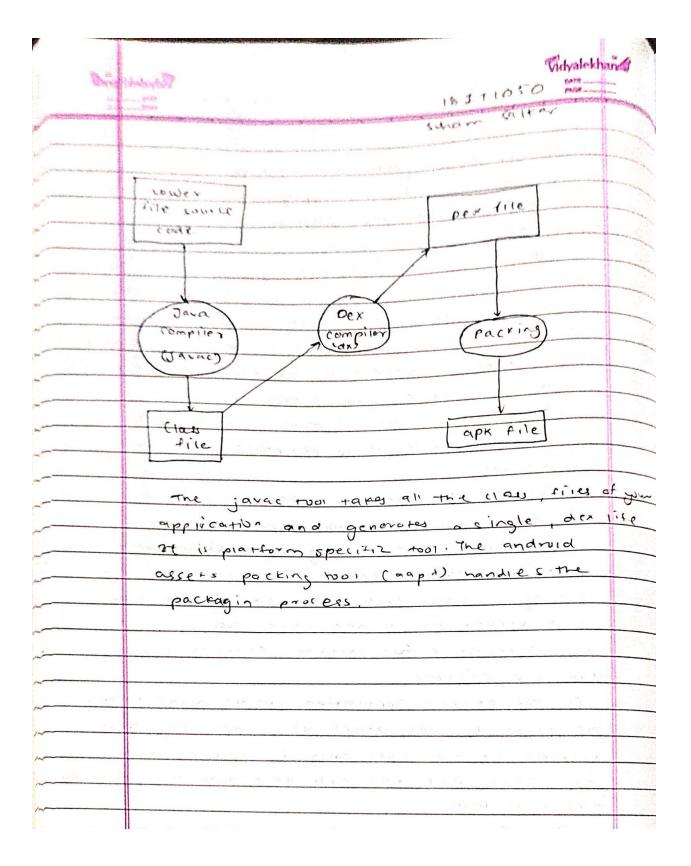


Department of Information Technology Academic -2021-22

Assignment No: 01
Subject: Mobile Application Development
Roll No.: 18IT1050
Name of Student: Soham Salkar
Class/Batch: A/A2
Date of Performance:
Date of Submission:
Grade:
Signature:
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And the second s	Stan Silver
8.1	Android operating system in a stock of software
-	components which in roughly divided into five
	sections and four main layers
Profe	convertence
	at the bottom of the system layers in cinur . This
	provides a level of abstruction between the
	device hardware and it contains all the ossential
	hardware knivers like comeras, keypad, dispi
	etc. The Keanel handle
	etc. The Kernel handle all the things that linux
	Vat 2220
	vost arrays of device drivers which takes the
	pain out of interfacing to periphiral handware
	On the of the
	On top of linux kernel is a cet of libraries
	including open-source, web browser ongire
	web Kil Well Known library like SQLIKe data save
	which is a useful repository for storage and
	sharing or application date, libraries to play
	and second autio and video ssc libraries
	are responsible for internal security etc
	- Android funting
	All the android application can be found at the
	top layer. You will writed your application to be
	installed at this layer only. Example of such
	application are contened book browsers game
	- Role of DVM:
	The Damix virtual machine optimized for
	mobile devices. It optimizes the virtual machin
	for momory, battery raftery life and
	per formance

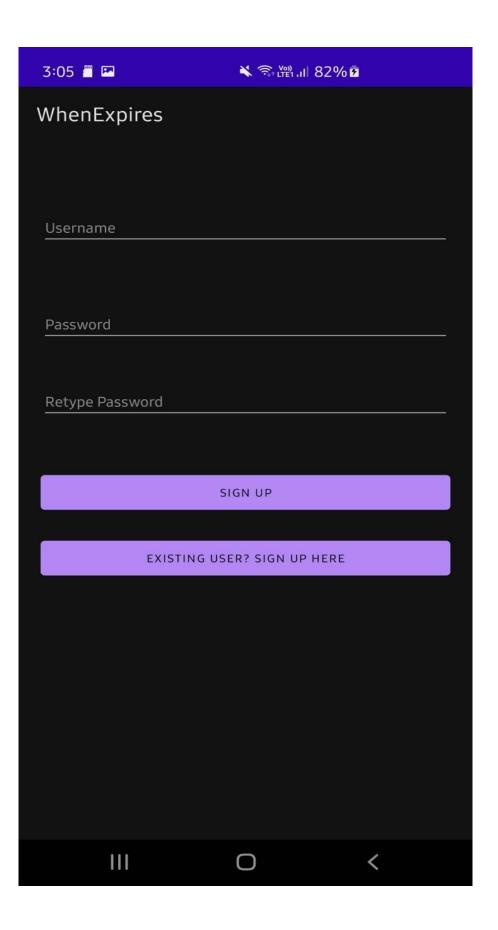


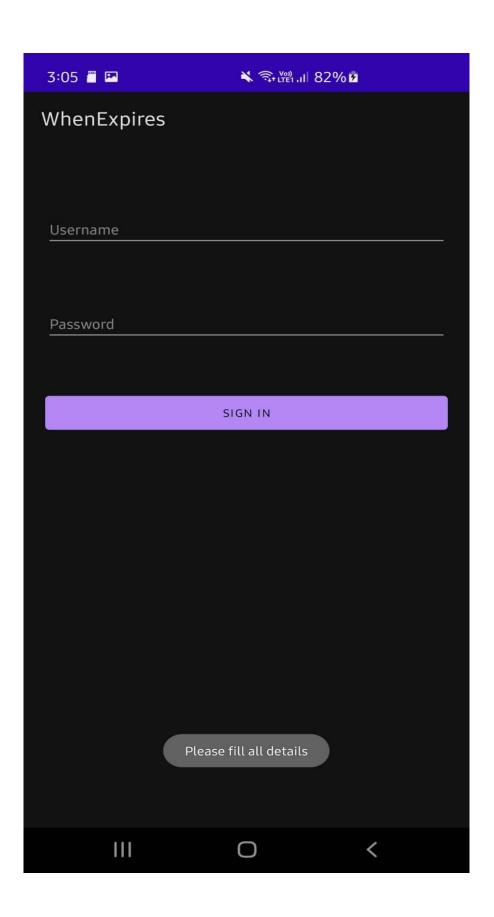
Q.2 activity_log.xml

```
activity_login.xml
       <?xml version="1.0" encoding="utf-8"?>
2 6
       <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
           xmlns:app="http://schemas.android.com/apk/res-auto"
           xmlns:tools="http://schemas.android.com/tools"
           android:layout_width="match_parent"
           android:layout_height="match_parent"
           android:padding="20dp"
           tools:context=".LoginActivity">
           <EditText
               android:id="@+id/username1"
               android:layout_width="match_parent"
               android:layout_height="wrap_content"
               android:layout_centerHorizontal="true"
               android:layout_marginTop="50dp"
               android:hint="Username" />
           <EditText
               android:id="@+id/password1"
               android:layout_width="match_parent"
               android:layout_height="wrap_content"
               android:layout_below="@+id/username1"
               android: layout_centerHorizontal="true"
               android:layout_marginTop="60dp"
               android:hint="Password" />
           <Button
               android:id="@+id/btnsignin1"
               android:layout_width="match_parent"
               android:layout_height="wrap_content"
               android: layout_below="@+id/password1"
               android:layout_marginTop="50dp"
               android:text="Sign in"/>
       </RelativeLayout>
```

loginActivity.java

```
activity_login.xml × C LoginActivity.java
12
       public class LoginActivity extends AppCompatActivity {
            EditText username,password;
            Button btnlogin;
           DBHelper DB;
            @Override
            protected void onCreate(Bundle savedInstanceState) {
                super.onCreate(savedInstanceState);
                setContentView(R.layout.activity_login);
               username = (EditText) findViewById(R.id.username1);
               password = (EditText) findViewById(R.id.password1);
               btnlogin = (Button) findViewById(R.id.btnsignin1);
               DB = new DBHelper( context: this);
               btnlogin.setOnClickListener(new View.OnClickListener() {
                   @Override
                   public void onClick(View v) {
                        String user = username.getText().toString();
                        String pass = password.getText().toString();
                        if(user.equals("") || pass.equals("") )
                            Toast.makeText( context: LoginActivity.this , text: "Please fill all details", Toast.LENGTH_SHORT).show();
                            Boolean checkuserpass = DB.checkUsernamePassword(user,pass);
                            if(checkuserpass == true)
                                Toast.makeText( context: LoginActivity.this , text: "Sign in Successfull", Toast.LENGTH_SHORT).show();
                                Intent intent = new Intent(getApplicationContext() , HomeActivity.class);
                                startActivity((intent));
                                Toast.makeText( context: LoginActivity.this , text: "Invalid", Toast.LENGTH_SHORT).show();
```





Vidyalekhan

02017581 Suham sulla 8.3 Im Android it is quite usual for users to witness a jump from one application to another as a part of the whole process for example searching for a location on the prowser and withersing a direct jump into google maps or receiving payment link in messages application rems) and on clicking jumping to payral or gpay this process of raking usons from one application to another is achieved by passing the intent to the system. Then to in general are used for navigation among various activities within me same application but note is not limited to one single application ie, they can be utilized from moving from one application to another as well THEMIS could be implied for instance calling intended action and explict as well such as opening, another activity after some operation like on Click or aming else Explicit Intent Implicia Intent in they are mose in which Implicit intends do not user how a dear vision name a specific componer! and knows exactly which like explict inters, instead activity can handle me decigne a general action to person, with allows a requests Ex. when you have component mome app to handle a listures seve or top ex. when you top strave button or each item you will go to delail activity in any app you see grain intent = 2 year (application blue - four en yore usa Costerd, ochilactivity money sends a reput is imple.