APP INVENTORY

By-

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PREFACE

When computer software application succeeds, it make possible for the people, who use it by performing flawlessly over a long period. It can & does change things for the better. But when software fails, its users are dissatisfied, when it is error prone, when it is difficult to change & even harder to use bad things can & do happen. We all want to build software that makes things better. Avoiding the bad things that work in the shadow failed effort. To succeed, we need discipline when s/w is designed & build. We need an engineering approach. This project is intended to save as guide to maturing engineering discipline. The project is initiated to proper conversion among people and share photo as well as video through this application. The industrial training has been an integral part of CSE curriculum. This has an everlasting impact on the trainee & helps in setting himself/herself in industrial environment when he /she tales up a job. While taking training in the CMC, I learnt many things in my training period.

Apart from getting industrial exposure my communication skills overall interaction capabilities has also been improved. This training report is an effort to summarize all the pieces of information gathered by me during my training period.

Acknowledgement

It is very difficult for any training schedule to be satisfactory completed without the co-operation and benefits of advice from a large number of persons whether they are engineers or experts in their respective field of specialization.

I sincerely extend my gratitude to all those who helped me do this major project however this is quite inadequate for the precious time they devoted to me.

I express heartfelt thanks to our project guide Mr. Ajit Kumar Yadav for his wonderful support for preparing the project and for giving us an opportunity to discuss it!!!

ABSTRACT

My topic for this internship was to learn how to create an application in android, the Google operating system for mobile devices. The design of such an application is made in slightly modified Java. I also used my knowledge of databases during my internship. This internship allowed me to increase my knowledge in Java, a language with which I had many difficulties, but also to discover and wonderful people who made this internship really enriching for me.

This Inventory project deals with daily need of a local Businessman and also act as a useful asset for factories. Continuous import and export of goods from factory . Maintenance of regular report one of the key points of this app. With the emergence of IT in almost every field .Inventory app was a necessity. This app reduces the chances for wastage and maintains a proper record for goods and debts.

Introduction

As part of my B.Tech, in the 2nd semester I wanted to do a project in a popular technology . So it is in the HCL CDC that I did my internship. I was under the tutelage of Mr. Ajit Kumar Yadav, who offered me as project to do an android application. Android is an operating system for mobile devices. This project was conducted in two stages: the first is to familiarize myself with the development in android (development tools, coding instructions, setting up the display). During this first step I tried to do a Task Killer, because there is not task manager under android. For the second part of my project Mr. Ajit Kumar Yadav proposed the idea of a mobile application to help local business man and factory owners. The problematic throughout this course will therefore: how to create an android application that can be useful? I intend to improve the application once that my internship is ended, because there was lack of time to finish my application, and so the graphics are quite neglected, and I would like to add support for the fragment in certain situations, but all this will detailed in the section on my application.

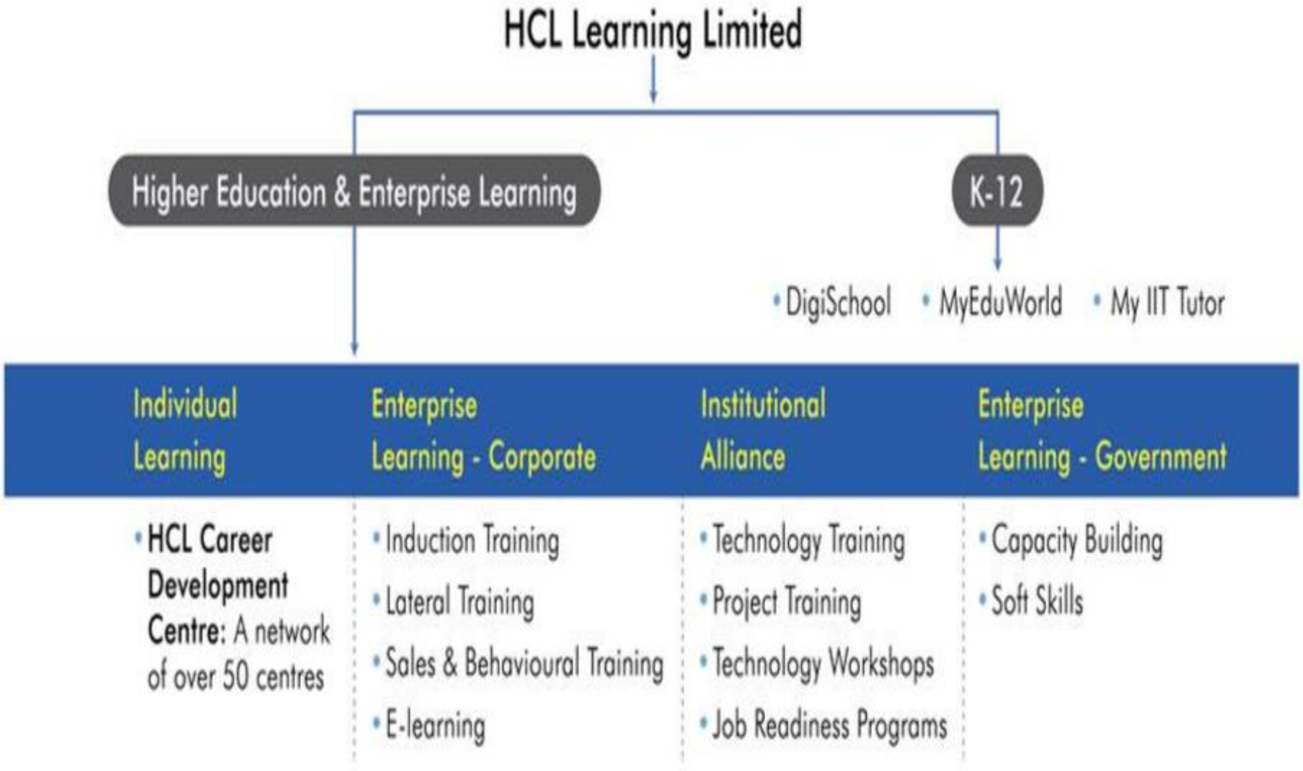
1. Presentation of the work environment.

HCL Learning Limited is a wholly owned subsidiary of HCL Info systems Limited, India’s premier IT Services & Distribution Company. HCL Learning covers the entire spectrum of education and training requirements across schools, colleges, individuals and enterprises.

1.1 HCL Learning Ltd

HCL Learning Ltd. is a 100% owned subsidiary of HCL Info systems Ltd. HCL Learning covers the entire spectrum of education and training requirements across schools, colleges, individuals and enterprises. HCL Learning addresses the education and training needs through 2 business verticals:

- K-12
- Higher Education & Enterprise Learning



1.1.1 Career Development Centre

HCL Career Development Centre (CDC) is the training arm of HCL Learning Ltd. It offers a complete spectrum of quality training programs on software, hardware, networking, industrial /project training and various other new-age courses as per the trends & demands of the industry.

1.1.2 Individuals

Training programs delivered through a network of 50 +/CDC centers spread across the country. CDC centers have state of-the-art infrastructure and expert faculties who groom students for the corporate world by imparting training in specific technologies and have cumulatively trained more than 2000 students.

1.1.3 Engineering Colleges & Polytechnics

Through our Campus Training and Institutional Alliance program , we deliver targeted training programs within college premises for a batch of students. At successful completion of the training, all students get HCL certificates. This program not only help students learn technologies and groom themselves from the Industry Experts but it also helps college in positioning itself better for prospective campus recruiters.

1.1.4 Corporate Trainings

Our training programs are designed specifically for corporates. Leveraging a team of seasoned multi-certified faculty members, we have the capability to deliver customized training solutions for your organization in any location within India.

1.1.5 Government Trainings

HCL CDC is proud to have been associated with governmental bodies in a number of social and skill enhancement projects. Through active collaboration with the industry, we have the capability to deliver enterprise IT training solutions fully customized to the requirements of our clients. Our trainers are multi-certified in IT and other technologies and have many years of rich experience in delivering instructor-led sessions to government and public sector employees. At CDC we believe that the students should be given a hand on experience and thus all our courses are a blend of Theoretical and practical implementation .HCL CDC also offers global certifications in association with leading organizations worldwide. Course curriculum has been designed in a manner to increase the employability factor of the students. Under the aegis of HCL and strong associations within the industry CDC is able to provide better placement opportunities to the students.

1.2 Laboratory

1.2.1 Presentation

I am in the laboratory of Professor Ajit. The laboratory is part of Electronic Control Engineering Department, but since this year, a new perspective of work was put in place, which is Department of Intelligent Systems and Electronics. The professor is currently working on human interface, and more particularly on mobile devices interfaces because it's more efficient and more convenient than big computers. That's why my subject for this placement was to study the way to create android application.

1.2.2 Equipment available

To do my internship in good conditions, I had at my disposal the tools necessary for my advancement. First I worked with my own laptop, which allowed me to work effectively immediately. Then the teacher Ajit brought me a Mobile Development Platform, which serves to developers. This device can emulate any mobile OS, and has all the features of the latest mobile phones. This device is called ZOOM OMAP 2 and is manufactured by

Texas. I got a book called Android 4 Application Development. The only thing I could do was to look at the sample codes and try to understand. This book talked about wireless application but it had all the basics that I needed. The only problem with this book was that I received it in the lasts weeks.

2.Proposed System

Purpose:-

- ➔ With Make in India program scaling new heights .App culture should be promoted.
- ➔ Inventory App is exclusively made for local business man who have to deal with the regular supply-demand of the market.
- ➔ Its report section provides daily analysis of the market bussiness of every day.
- ➔ Easier maintenance of application & data

SCOPE

This project have user friendly environment. This app will facilitate the user to keep the record of daily bussiness happening at hos workplace . This feature will work in the background of the app without any information. The person will installed this app for the extra facility which we have in our application i.e. Daily Report.

This app have been carried out to satisfy customer needs as well as exploiting the opportunities of new technologies.

REQUIREMENTS

1. HARDWARE REQUIREMENTS : Android 2.2.3 phone or any device.

2. SOFTWARE REQUIREMENTS OPERATING

Android 2.2.3 and above.

PLATFORM : Windows 7 and above with Android Studio

CODING : Java

DESIGNING: XML

Work Plan:-

❖	**Requirement analysis and Review.**
❖	**Item purchase, analysis.**
❖	**Preparation of report of review in structured form.**
❖	**Design (Flow chart design, algo design).**
❖	**Coding & implementation of flow chart & algorithm**
❖	**Testing for all test cases**
❖	**Realization**
❖	**Report writing & finishing touch**

3. FEASIBILITY STUDY

3.1 Market Issues

A market feasibility study is an important exercise for all start-ups, small and medium sized enterprises to determine if a sustainable market exists for a product or service. It involves analyzing existing market demand, the competition and future market projections. Market feasibility for this project show higher chance of adaption as current generation likes to share their view and experiences with knows. This application enable the user to know about call details of other person without informing her/him.

Technical Feasibility

I. **Android**.

-> Android has a growing selection of third party applications, which can be acquired by users either through an app store such as Google Play or the Amazon App store, or by downloading and installing the application's APK file from a third-party site.

-> Google Play Store allows users to browse, download and update applications published by Google and third-party developers, and the Play Store client application is pre-installed on devices that comply with Google's compatibility requirements and license the Google Mobile Services software.

-> Android is flexible. Applications ("apps"), that extend the functionality of devices, are developed primarily in the Java programming language using the Android software development kit (SDK).

-> Java is a computer programming language that is concurrent, class-based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere" (WORA), meaning that code that runs on one platform does not need to be recompiled to run on another.

->Java applications are typically compiled to byte code (class file) that can run on any Java virtual machine (JVM) regardless of computer architecture.

->One characteristic of Java is portability, which means that computer programs written in the Java language must run similarly on any hardware/operating-system platform. This is achieved by compiling the Java language code to an intermediate representation called Java byte code, instead of directly to platform specific machine code. Java byte code instructions are analogous to machine code, but they are intended to be interpreted by a virtual machine (VM) written specifically for the host hardware. End-users commonly use a Java Runtime Environment (JRE) installed on their own machine for standalone Java applications, or in a Web browser for Java applets.

->Standardized libraries provide a generic way to access host-specific features such as graphics, threading, and networking.

->A major benefit of using byte code is porting. However, the overhead of interpretation means that interpreted programs almost always run more slowly than programs compiled to native executable would. Just-in-Time (JIT) compilers were introduced from an early stage that compile byte codes to machine code during runtime.

-> Extensible Mark-up Language (XML) is a mark up that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. It is defined in the XML 1.0 Specification produced by the W3C, and several other related specifications all free open standards.

->The design goals of XML emphasize simplicity, generality, and usability over the Internet. It is a textual data format with strong support via Unicode for the languages of the world. Although the design of XML focuses on documents, it is widely used for the representation of arbitrary data structures, for example in web services.

-> Many application programming interfaces (APIs) have been developed to aid software developers with processing XML data, and several schema systems exist to aid in the definition of XML-based languages.

-> Eclipse In computer programming, Eclipse is an integrated development environment (IDE). It contains a base workspace and an extensible plugin system for customizing the environment. Written mostly in Java, Android Studio can be used to develop applications.

->Released under the terms of the Android Studio Public License, Eclipse SDK is free and open source software (although it is incompatible with the GNU General Public License). It was one of the first IDEs to run under GNU Class path and it runs without problems under Iced Tea.

3.3 Operational Feasibility

-> User friendly: Any literate can work upon this application.

-> Ease of use encourages users to take the advantage of to know call details and wrong pattern recognition. Any android phone user can use this application.

Technical Environment (Technologies)

2.1 Android

2.1.1 What is android?

Android is basically an operating system for smartphones. But we find now integrated into PDAs, touch pads or televisions, even cars (trip computer) or netbooks. The OS was created by the start-up of the same name, which is owned by Google since 2005.

2.1.2 Specifications:

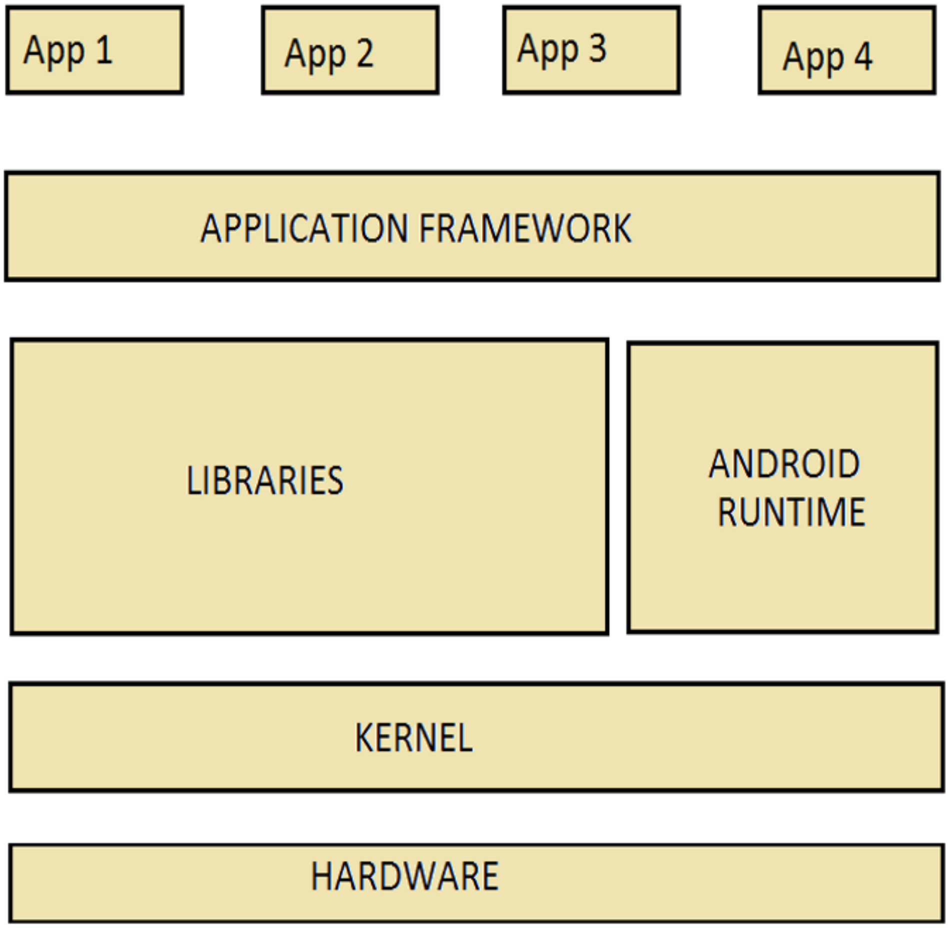
This operating system is based on version 2.6 of Linux, so it has a monolithic system kernel, what means that all system functions and drivers are grouped into one block of code.

- Architecture:

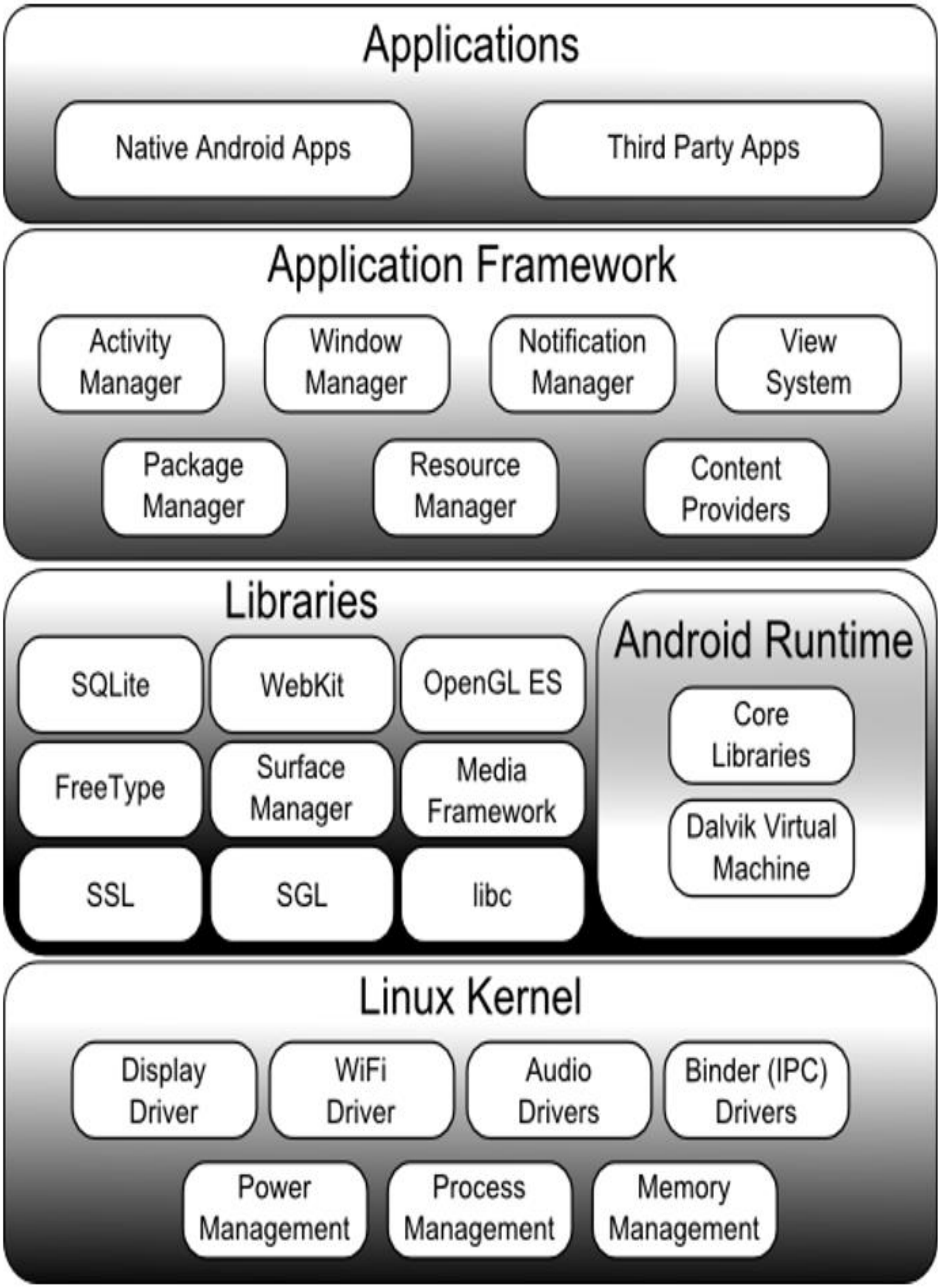
Android consists of five layers: -The Linux kernel 2.6- which includes useful drivers that allow for example Wi-Fi or Bluetooth. The library written in C and C + + that provide higher level functionality such as an HTML engine, or a database (SQLite). -A runtime environment for applications based on a virtual machine, made for inefficient machines such as telephones. The aim is to translate JAVA in machine language understood by

Android. -A JAVA framework that allows applications running on the virtual machine to organize and cooperate. -The user applications written in Java (Web browser, contact manager etc...)

Architectural diagram of Android:



Detailed diagram:



=> Current Version

Today android is in its 5th version, Android 2.1. Each version is designed to gradually correct the lack of APIs, to enhance the user interface and add functionality. The latest version adds such things as support in HTML5 in the browser, it allows multi touch or it brings new Contact API, which defines a database for contact management.

2.1.3 Characteristic of the market:

• Competitors

-The principal competitor is iPhone OS. It is mainly for competing with Apple that Android has been created. -Palm OS devices on PDA. -Blackberry: which team the same name smartphones -Windows Mobile: which team smartphones and PDAs. -Symbian: Current Market Leader • Key partners to help launch Android, Google has created an alliance of thirty companies in order to develop standards for mobile devices. There is, among others: -Operators such as NTT DoCoMo, T-Mobile or Bouygues Telecom –Of equipment manufacturers like Sony Ericsson or Samsung Manufacturers of semiconductors, including Intel and NVidia Corporate businesses.

- Market share

The android market share continues to increase since its inception, and is likely to continue climbing because it is favored by big players like HTC, Sony Ericsson, Samsung, LG, Motorola, Dell, and Acer. Moreover, according to IDC, android will be the 2nd mobile operating system used of the market in 2013. Here is the state of the market from 2006 to 2009. You have to know that the first mobile phone appeared in android date October 2008.

2.1.4. Why Android is better?

- Applications

- Google applications

Android includes most of the time many Google applications like Gmail, YouTube or Maps. These applications are delivered with the machine most of the time, except in certain cases, such as some phones running android on which the provider has replaced Google applications by its own applications.

-widgets

With android, it is possible to use widgets which are small tools that can most often get information. These widgets are directly visible on the main window.

-Android Market

This is an online software store to buy applications. Developers who created applications can add them into the store, and these applications can be downloaded by users, they can be both free and paid.

- Multitasking

Android allows multitasking in the sense that multiple applications can run simultaneously. With Task Manager it is possible view all running tasks and to switch from one to another easily.

- SDK

A development kit has been put at disposal of everybody. Accordingly, any developer can create their own applications, or change the android platform. This kit contains a set of libraries, powerful tools for debugging and development, a phone emulator, thorough documentation, FAQs and tutorials.

- Modifiability:

This allows everyone to use, improve or transform the functions of Android for example transform the interface in function of uses, to transform the platform in a real system embedded Linux.

2.2. The basics of creating applications

To begin to program for Android I needed some basics, because some elements are very different, even if programming an application in Android uses the Java language, therefore, an object oriented language. Firstly, in an Android application, there is no main method:

```
public static void main(String[] args){...}
```

This method that allows to launch a program in java is not present in an application android. This example is only the first of a long list. So I'll try to explain what I had to learn to use to create my first application which is the Task Killer.

Activity:

An activity is a user interface that allows the user to interact with the screen, to perform actions. For example, a text messaging application could have an activity that displays a list of contacts to send messages. Once the contact is selected, activity could send information to a second activity that could serve to send the message to the contact. When an application is launched, what it displays is the result of an activity. At the code level, for create an activity, you must create a class that extends the Activity class. An activity has a required onCreate () method. It is the main method. To interact with the program, through the activity, there must be something displayed, that is why the activity, contains what is called views.

View:

A View is the basic building block for user interface components. A View occupies a rectangular area on the screen. View is the base class for widgets, which are used to create interactive UI components (buttons, text fields, etc.).There is different kinds of views, for example a ListView is able to display only an interactive list of what you want to display, while a WebView allows you to display a web page. As said before, a view occupies a rectangular area on the screen. To organize these rectangles on the screen, there is a text file written in XML for every different screen.

Xml:

Xml means Extensible Markup Language. Android provides a straightforward XML vocabulary that corresponds to the View classes and subclasses. The goal of using Android's XML vocabulary, is to quickly design UI layouts and the screen elements they contain, in the same way that creating web pages in HTML : with a series of nested elements.

Here is an example:

```
<? xml version="1.0" encoding="utf-8"?>

 <LinearLayout
xmlns:android=http://schemas.android.com/apk/res/and
roid

 android:layout_width="fill_parent"

android:layout_height="fill_parent"

android:orientation="vertical" >

  <TextView android:id="@+id/text"

android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:text="Hello, I am a TextView" />
 <Button android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
  android:text="Hello, I am a Button" />
</LinearLayout>
```

In the previous example, here's an XML layout that uses a vertical LinearLayout to hold a TextView and a Button. It will be possible to modify attributes the elements in the activity class that use this XML file. For example to change the text.

Intent:

An activity can of course start another one, even if it but to do this, it will need a special object called Intent. An intent is basis description of an operation to be performed. It can launch an Activity, send a broadcastIntent to any interested BroadcastReceiver components, and communicate with a background Service. An Intent performs binding between the codes in different applications. It can be thought of as the link between activities. It is possible to add some information’s to an Intent, thanks to an object called bundle that you add to the intent thanks to the method:

Android Manifest:

AndroidManifest.xml file is necessary for all android applications and must have this name in its root directory. In the manifest you can find essential information’s about the application for the Android system, information’s that the system must have before it can run any of the application's code. Here is what you can find in the Android manifest: -The name of the Java package for the application. The package name serves as a unique identifier for the application. -The description of the components of the application: the activities, services, broadcast receivers, and content providers that the application is composed of and under what conditions they can be launched. -The processes that will host application components. -The permissions the application must have in order to access protected parts of the API and interact with other applications. -The permissions that others are required to have in order to interact with the applications.

Components:

-The list of the Instrumentation classes that provide profiling and other information as the application is running. These declarations are present in the manifest only while the application is being developed and tested; they're removed before the application is published. -The minimum level of the Android API that the application requires. -The list of the libraries that the application must be linked against. Whit all these elements, an application can be created. So I'll explain my first application which was a Task Killer.

CODING

Tab.java

```
package com.example.tab;

import android.R.drawable;
import android.os.Bundle;
import android.app.ActionBar;
import android.app.ActionBar.TabListener;
import android.app.Activity;
import android.app.FragmentTransaction;
import android.content.Intent;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;

public class Tab extends Activity {

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

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        MenuItem mt2 =    menu.add("exit");

        // Inflate the menu; this adds items to the action bar if it is present.
        ActionBar actionBar = getActionBar();
        ActionBar.Tab t = actionBar.newTab();
        t.setText("Item Details");

        t.setTabListener(new TabListener() {

            @Override
            public void onTabReselected(android.app.ActionBar.Tab arg0,
                        FragmentTransaction arg1) {
                // TODO Auto-generated method stub

            }

            @Override
            public void onTabSelected(android.app.ActionBar.Tab arg0,
                    FragmentTransaction ft) {
                // TODO Auto-generated method stub
                One f = new One();
                ft.replace(R.id.fm,f);

            }

            @Override
            public void onTabUnselected(android.app.ActionBar.Tab arg0,
                    FragmentTransaction arg1) {
                // TODO Auto-generated method stub

            }
        });

        ActionBar.Tab t1 = actionBar.newTab();
        t1.setText("Cust. Details");

t1.setTabListener(new TabListener() {

            @Override
```

```
    public void onTabReselected(android.app.ActionBar.Tab arg0,
            FragmentTransaction arg1) {
        // TODO Auto-generated method stub

    }

    @Override
    public void onTabSelected(android.app.ActionBar.Tab arg0,
            FragmentTransaction ft) {
        // TODO Auto-generated method stub
        Two f = new Two();
        ft.replace(R.id.fm,f);
    }

    @Override
    public void onTabUnselected(android.app.ActionBar.Tab arg0,
            FragmentTransaction arg1) {
        // TODO Auto-generated method stub

    }
});
```

```
        ActionBar.Tab t2 = actionBar.newTab();
        t2.setText("Order");

t2.setTabListener(new TabListener() {


            @Override
            public void onTabReselected(android.app.ActionBar.Tab arg0,
                    FragmentTransaction arg1) {
                // TODO Auto-generated method stub

            }

            @Override
            public void onTabSelected(android.app.ActionBar.Tab arg0,
                    FragmentTransaction ft) {
                // TODO Auto-generated method stub
                Three f = new Three();
                ft.replace(R.id.fm,f);

            }
```

```
                    @Override
                    public void onTabUnselected(android.app.ActionBar.Tab arg0,
                            FragmentTransaction arg1) {
                        // TODO Auto-generated method stub

                    }
                });

ActionBar.Tab t3 = actionBar.newTab();
t3.setText("Selling Details");
//t3.setIcon(drawable.arrow_up_float);
t3.setTabListener(new TabListener() {



            @Override
            public void onTabReselected(android.app.ActionBar.Tab arg0,
                    FragmentTransaction arg1) {
                // TODO Auto-generated method stub

            }
```

```
    @Override
    public void onTabSelected(android.app.ActionBar.Tab arg0,
            FragmentTransaction ft) {
        // TODO Auto-generated method stub
        Four f = new Four();
        ft.replace(R.id.fm,f);
    }

    @Override
    public void onTabUnselected(android.app.ActionBar.Tab arg0,
            FragmentTransaction arg1) {
        // TODO Auto-generated method stub

    }
});

ActionBar.Tab t4 = actionBar.newTab();
t4.setText("Add Item");

t4.setTabListener(new TabListener() {

    @Override
```

```
        public void onTabReselected(android.app.ActionBar.Tab arg0,
                FragmentTransaction arg1) {
            // TODO Auto-generated method stub

        }

        @Override
        public void onTabSelected(android.app.ActionBar.Tab arg0,
                FragmentTransaction ft) {
            // TODO Auto-generated method stub
            Five f = new Five();
            ft.replace(R.id.fm,f);
        }

        @Override
        public void onTabUnselected(android.app.ActionBar.Tab arg0,
                FragmentTransaction arg1) {
            // TODO Auto-generated method stub

        }
    });
    ActionBar.Tab t5 = actionBar.newTab();
```

```
t5.setText("Pending");
//t3.setIcon(drawable.arrow_up_float);
t5.setTabListener(new TabListener() {


    @Override
    public void onTabReselected(android.app.ActionBar.Tab arg0,
            FragmentTransaction arg1) {
        // TODO Auto-generated method stub

    }

    @Override
    public void onTabSelected(android.app.ActionBar.Tab arg0,
            FragmentTransaction ft) {
        // TODO Auto-generated method stub
        Six f = new Six();
        ft.replace(R.id.fm,f);
    }

    @Override
    public void onTabUnselected(android.app.ActionBar.Tab arg0,
                        FragmentTransaction arg1) {
                // TODO Auto-generated method stub

        }
});
ActionBar.Tab t6 = actionBar.newTab();
t6.setText("Sales Report");
//t3.setIcon(drawable.arrow_up_float);
t6.setTabListener(new TabListener() {


        @Override
        public void onTabReselected(android.app.ActionBar.Tab arg0,
                        FragmentTransaction arg1) {
                // TODO Auto-generated method stub

        }

        @Override
        public void onTabSelected(android.app.ActionBar.Tab arg0,
                        FragmentTransaction ft) {
                // TODO Auto-generated method stub
```

```
				Seven f = new Seven();
				ft.replace(R.id.fm,f);
			}

			@Override
			public void onTabUnselected(android.app.ActionBar.Tab arg0,
					FragmentTransaction arg1) {
				// TODO Auto-generated method stub

			}
		});

				actionBar.setNavigationMode(ActionBar.NAVIGATION_MODE_TABS);
				actionBar.addTab(t);
				actionBar.addTab(t1);
				actionBar.addTab(t2);
				actionBar.addTab(t3);
				actionBar.addTab(t4);
				actionBar.addTab(t5);
				actionBar.addTab(t6);

				return true;
```

```
}
        public boolean onOptionsItemSelected(MenuItem i) {
                // TODO Auto-generated method stub
                //Toast.makeText(this,i.getTitle()+"",Toast.LENGTH_LONG).show();
                Toast.makeText(this,"GoodBye!!",Toast.LENGTH_LONG).show();
                if((i.getTitle()+"").equalsIgnoreCase("exit"))
                {
                        finish();
                }

                return super.onOptionsItemSelected(i);
        }
}
```

One.java

```
package com.example.tab;
import android.os.Bundle;
import android.app.Activity;
import android.app.Fragment;
import android.database.sqlite.SQLiteDatabase;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class One extends Fragment{
	inventory inven ;
	SQLiteDatabase sqdb;
EditText t1,t2,t3,t4,t5;
```

```
Button b;
@Override
        public View onCreateView(LayoutInflater inflater, ViewGroup container,
                        Bundle savedInstanceState) {
                // TODO Auto-generated method stub
                View root =  inflater.inflate(R.layout.activity_one,container,false);
                return root;
        }
@Override
        public void onStart() {
                // TODO Auto-generated method stub
                //getActivity().findViewById(id);
                //use get Activity at all place (act)
        try{
Activity act = getActivity();
                t1 = (EditText) act.findViewById(R.id.editText1);
                t2 = (EditText) act.findViewById(R.id.editText2);
                t3 = (EditText) act.findViewById(R.id.editText3);
                t4 = (EditText) act.findViewById(R.id.editText4);
                t5 = (EditText) act.findViewById(R.id.editText5);
                b = (Button) act.findViewById(R.id.button1);
        inven = new inventory(act);
```

```
    sqdb = inven.getWritableDatabase();


        b.setOnClickListener(new OnClickListener() {


            @Override

            public void onClick(View arg0) {

                // TODO Auto-generated method stub

            int icode = Integer.parseInt(t1.getText()+"");

            String iname = t2.getText()+"";

            int qty = Integer.parseInt(t3.getText()+"");

            int price = Integer.parseInt(t4.getText()+"");

            String date = t5.getText()+"";

            sqdb.execSQL("insert into
item(icode,iname,qty,price,date)values("+icode+",'"+iname+"',"+qty+","+price+",'
"+date+"');");

            sqdb.close();


    Toast.makeText(getActivity(),"submitted",Toast.LENGTH_LONG).show();

            }

        });

        }catch(Exception e)

    {
```

```
                    Toast.makeText(getActivity(), "Record not
available",Toast.LENGTH_LONG).show();

          } super.onStart();}}
```

Two.java

```
package com.example.tab;

import android.os.Bundle;
import android.app.Activity;
import android.app.Fragment;
import android.database.sqlite.SQLiteDatabase;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.View;
import android.view.ViewGroup;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
```

```
public class Two extends Fragment{
        inventory inven ;
        SQLiteDatabase sqdb;
EditText t1,t2,t3,t4;
Button b;
        @Override
        public View onCreateView(LayoutInflater inflater, ViewGroup container,
                        Bundle savedInstanceState) {
                // TODO Auto-generated method stub
                return inflater.inflate(R.layout.activity_two,container,false);
        }

        @Override
        public void onStart() {
                        final Activity act = getActivity();
                                t1 = (EditText) act.findViewById(R.id.editText1);
                                t2 = (EditText) act.findViewById(R.id.editText2);
                                t3 = (EditText) act.findViewById(R.id.editText3);
                                t4 = (EditText) act.findViewById(R.id.editText4);

                                b = (Button) act.findViewById(R.id.button1);
                        inven = new inventory(act);
```

```
            sqdb = inven.getWritableDatabase();
                b.setOnClickListener(new OnClickListener() {
                    @Override
                    public void onClick(View arg0) {
                        // TODO Auto-generated method stub
                    int ccode = Integer.parseInt(t1.getText()+"");
                    String cname = t2.getText()+"";
                    String city = t3.getText()+"";
                    String contact = t4.getText()+"";
                    try{
                    sqdb.execSQL("insert into customer(ccode,cname,city,contact)values("+ccode+",'"+cname+"','"+city+"','"+contact+"');");
                    sqdb.close();

    Toast.makeText(act,"submitted",Toast.LENGTH_LONG).show();
                    }catch(Exception e)
                    {
                        Toast.makeText(getActivity(), "Record not available",Toast.LENGTH_LONG).show();
                    }}
                });
```

```
        // TODO Auto-generated method stub
        super.onStart();
    }}
```

Three.java

```
package com.example.tab;

import java.util.ArrayList;

import android.os.Bundle;
import android.app.Activity;
import android.app.Fragment;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.View;
import android.view.ViewGroup;
import android.view.View.OnClickListener;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemSelectedListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.Toast;

public class Three extends Fragment{
    inventory inven ;
    SQLiteDatabase sqdb,sqdb2;
EditText t1,t2,t3,t4,t5;
Button b;
Spinner sp1,sp2;
ArrayList<String> al,al2;
ArrayAdapter<String> ad ,ad2;
String s1,s2;
Integer i,sales;

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
            Bundle savedInstanceState) {
        // TODO Auto-generated method stub
        return inflater.inflate(R.layout.activity_three,container,false);
    }
    @Override

    public void onStart() {

        // TODO Auto-generated method stub

        final Activity act = getActivity();

        inven = new inventory(act);

        sp1 = (Spinner)act.findViewById(R.id.spinner1);

        sp2 = (Spinner)act.findViewById(R.id.spinner2);

        al = new ArrayList<String>();

ad = new ArrayAdapter<String>(act, android.R.layout.simple_spinner_item,al);

al2 = new ArrayList<String>();

ad2 = new ArrayAdapter<String>(act, android.R.layout.simple_spinner_item,al2);

            try{

            al.add("Item Code");

        sqdb = inven.getReadableDatabase();

        Cursor cr = sqdb.rawQuery("select * from item ;",null);

        while(!cr.isLast())

        {cr.moveToNext();

            al.add(cr.getInt(0)+"");

            }


        sp1.setAdapter(ad);
        sp1.setOnItemSelectedListener(new OnItemSelectedListener() {
@Override
            public void onItemSelected(AdapterView<?> list, View arg1,
                    int position, long arg3) {
                // TODO Auto-generated method stub
                s1 = list.getItemAtPosition(position)+"";
                t2.setText(s1);
            }@Override
            public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub

            }
        });
    al2.add("Customer Code");
        Cursor cr2 = sqdb.rawQuery("select ccode from customer;",null);
    while(!cr2.isLast())
        {
            cr2.moveToNext();
            al2.add(cr2.getInt(0)+"");

        }
        sp2.setAdapter(ad2);


        sp2.setOnItemSelectedListener(new OnItemSelectedListener() {
@Override
            public void onItemSelected(AdapterView<?> arg0, View arg1,
                    int arg2, long arg3) {
                // TODO Auto-generated method stub
                s2 = arg0.getItemAtPosition(arg2)+"";
                t3.setText(s2);
            }


            @Override
            public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub


            }
        });
        }catch(Exception e)
    {
            Toast.makeText(getActivity(), "OOPS!!!!!"+"\n" +"PLEASE
CHECK"+"\n" +"IF YOU DID SOMETHIN WRONG
SIR",Toast.LENGTH_LONG).show();
```

```
                t1 = (EditText) act.findViewById(R.id.editText1);

                t2 = (EditText) act.findViewById(R.id.editText2);

                t3 = (EditText) act.findViewById(R.id.editText3);

                t4 = (EditText) act.findViewById(R.id.editText4);

                t5 = (EditText) act.findViewById(R.id.editText5);

                b = (Button) act.findViewById(R.id.button1);

            b.setOnClickListener(new OnClickListener() {

                    @Override

                    public void onClick(View arg0) {

                        // TODO Auto-generated method stub

                    int ordno = Integer.parseInt(t1.getText()+"");

                    int icode = Integer.parseInt(t2.getText()+"");

                    int ccode = Integer.parseInt(t3.getText()+"");

                    int qty = Integer.parseInt(t4.getText()+"");

                    String orddate = t5.getText()+"";

                    try{

                          sqdb = inven.getReadableDatabase();

                        Cursor cr3 = sqdb.rawQuery("select * from
item where icode = "+icode+";",null);

                        while(!cr3.isLast())

                        {

                            cr3.moveToNext();
                        i = Integer.parseInt(cr3.getString(2)+"");

                        }

                    sales = i-qty;

sqdb2 = inven.getWritableDatabase();

                        if(qty>i)

                        {

                            sqdb2.execSQL("insert into
penorder(ordno,ccode,icode,qty,orddate)values("+ordno+","+ccode+","+icode+",
"+qty+",'"+orddate+"');");

                            Toast.makeText(act,"due to shortage
of resources.....order shifted to pending",Toast.LENGTH_LONG).show();

                        }

                        else

                        {

                    sqdb2.execSQL("insert into
saleorder(ordno,ccode,icode,qty,orddate)values("+ordno+","+ccode+","+icode+",
"+qty+",'"+orddate+"');");

                sqdb2.execSQL("update item set qty = "+sales+" where
icode = "+icode+";");


    Toast.makeText(act,"submitted",Toast.LENGTH_LONG).show();

                    }sqdb.close();

                    sqdb2.close();
```

```
          }catch(Exception e){          Toast.makeText(getActivity(), "Record not
available",Toast.LENGTH_LONG).show();                                    }

                                                  }});

          super.onStart();}}
```

Four.java

```
package com.example.tab;

import java.util.ArrayList;

import android.os.Bundle;
import android.app.Activity;
import android.app.Fragment;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.view.LayoutInflater;
import android.view.Menu;
import android.view.View;
import android.view.ViewGroup;
import android.view.View.OnClickListener;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemSelectedListener;
import android.widget.ArrayAdapter;
import android.widget.Button;

import android.widget.EditText;

import android.widget.Spinner;

import android.widget.Toast;


public class Four extends Fragment{

inventory inven ;

        SQLiteDatabase sqdb,sqdb2;

EditText t1,t2,t3,t4,t5,t6;

Button b;

Spinner sp1,sp2,sp3;

ArrayList<String> al,al2,al3;

ArrayAdapter<String> ad ,ad2,ad3;

        String s1,s2,s3;

        @Override

        public View onCreateView(LayoutInflater inflater, ViewGroup container,

                        Bundle savedInstanceState) {

                // TODO Auto-generated method stub

                return inflater.inflate(R.layout.activity_four,container,false);

        }@Override

        public void onStart() {

                // TODO Auto-generated method stub
        final Activity act = getActivity();
        inven = new inventory(act);
        sp1 = (Spinner)act.findViewById(R.id.spinner1);
        sp2 = (Spinner)act.findViewById(R.id.spinner2);
        sp3 = (Spinner)act.findViewById(R.id.spinner3);
        al = new ArrayList<String>();
ad = new ArrayAdapter<String>(act, android.R.layout.simple_spinner_item,al);
al2 = new ArrayList<String>();
ad2 = new ArrayAdapter<String>(act, android.R.layout.simple_spinner_item,al2);
al3 = new ArrayList<String>();
ad3 = new ArrayAdapter<String>(act, android.R.layout.simple_spinner_item,al3);
        try{
        sqdb = inven.getReadableDatabase();
    al.add("Order no ");
        Cursor cr = sqdb.rawQuery("select ordno from saleorder;",null);
        while(!cr.isLast())
        {
            cr.moveToNext();
            al.add(cr.getInt(0)+"");
            }
    sp1.setAdapter(ad);
        sp1.setOnItemSelectedListener(new OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> arg0, View arg1,
                    int arg2, long arg3) {
                // TODO Auto-generated method stub
                s1 = arg0.getItemAtPosition(arg2) +"";
                t2.setText(s1);
            }
    @Override
            public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub
                }
        });

al2.add("Customer Code ");
        Cursor cr2 = sqdb.rawQuery("select ccode from customer;",null);
        while(!cr2.isLast())
        {
            cr2.moveToNext();
            al2.add(cr2.getInt(0)+"");


        }
        sp2.setAdapter(ad2);
        sp2.setOnItemSelectedListener(new OnItemSelectedListener() {

            @Override
            public void onItemSelected(AdapterView<?> arg0, View arg1,
                    int arg2, long arg3) {
                // TODO Auto-generated method stub
                s2 = arg0.getItemAtPosition(arg2)+"";
                t3.setText(s2);
            }
@Override
            public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub
                }
        });
        al3.add("Item Code");
        Cursor cr3 = sqdb.rawQuery("select icode from item;",null);
        while(!cr3.isLast())
        {
            cr3.moveToNext();
            al3.add(cr3.getInt(0)+"");
            }
        sp3.setAdapter(ad3);
        sp3.setOnItemSelectedListener(new OnItemSelectedListener() {

            @Override
            public void onItemSelected(AdapterView<?> arg0, View arg1,
                    int arg2, long arg3) {
                // TODO Auto-generated method stub
                s3 = arg0.getItemAtPosition(arg2)+"";
                t4.setText(s3);
            }
@Override
            public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub
                }
        });

        }catch(Exception e)
        {
            Toast.makeText(getActivity(), "Record not
available",Toast.LENGTH_LONG).show();
        }
        t1 = (EditText) act.findViewById(R.id.editText1);
        t2 = (EditText) act.findViewById(R.id.editText2);

        t3 = (EditText) act.findViewById(R.id.editText3);

        t4 = (EditText) act.findViewById(R.id.editText4);

        t5 = (EditText) act.findViewById(R.id.editText5);

        t6 = (EditText) act.findViewById(R.id.editText6);

        b = (Button) act.findViewById(R.id.button1);

sqdb = inven.getWritableDatabase();

    b.setOnClickListener(new OnClickListener() {

            @Override

            public void onClick(View arg0) {

                // TODO Auto-generated method stub

                //sale (srno int ,ordno int ,ccode int,icode int,rate int
,sdate string)

                int srno = Integer.parseInt(t1.getText()+"");

            int ordno = Integer.parseInt(t2.getText()+"");

            int ccode = Integer.parseInt(t3.getText()+"");

            int icode = Integer.parseInt(t4.getText()+"");

            int rate = Integer.parseInt(t5.getText()+"");

            String sdate = t6.getText()+"";

        try{

            sqdb.execSQL("insert into
sale(srno,ordno,ccode,icode,rate,sdate)values("+srno+","+ordno+","+ccode+","+ic
ode+","+rate+",'"+sdate+"');");
```

```
            sqdb.close();

            Toast.makeText(act,"submitted",Toast.LENGTH_LONG).show();

            }catch(Exception e)

            {

                Toast.makeText(getActivity(), "Record not
available",Toast.LENGTH_LONG).show();

            }}

        });


        super.onStart();

    }



}
```

Five.java

```
package com.example.tab;


import java.util.ArrayList;

import android.R.string;

import android.os.Bundle;

import android.app.Activity;

import android.app.Fragment;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.view.LayoutInflater;

import android.view.Menu;

import android.view.View;

import android.view.View.OnClickListener;

import android.view.ViewGroup;

import android.widget.AdapterView;

import android.widget.AdapterView.OnItemSelectedListener;

import android.widget.ArrayAdapter;
import android.widget.Button;

import android.widget.EditText;

import android.widget.Spinner;

import android.widget.Toast;


public class Five extends Fragment{

Spinner sp;

    EditText et1;

    Button b;

    inventory iv;

    SQLiteDatabase sq,sq2;

    ArrayList<String> ar;

    ArrayAdapter<String> ad;

    Integer k,j;

@Override

    public View onCreateView(LayoutInflater inflater, ViewGroup container,

            Bundle savedInstanceState) {

        // TODO Auto-generated method stub

        return inflater.inflate(R.layout.activity_five,container,false);

    }   @Override

    public void onStart() {

        try{
```

```
        final Activity act = getActivity();

        et1 = (EditText)act.findViewById(R.id.editText1);

        sp = (Spinner)act.findViewById(R.id.spinner1);

        b = (Button)act.findViewById(R.id.button1);

        iv = new inventory(act);

        sq = iv.getReadableDatabase();

        ar = new ArrayList<String>();

        ad = new ArrayAdapter<String>(act,
android.R.layout.simple_spinner_item,ar);

        Cursor cr = sq.rawQuery("select * from item ;",null);

    while(!cr.isLast())

        {       cr.moveToNext();

                ar.add(cr.getInt(0)+"");

        }

        sp.setAdapter(ad);

        sp.setOnItemSelectedListener(new OnItemSelectedListener() {

    @Override

            public void onItemSelected(AdapterView<?> arg0, View arg1,

                    int arg2, long arg3) {

                // TODO Auto-generated method stub

                j = Integer.parseInt(arg0.getItemAtPosition(arg2)+"");

            }
@Override
            public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub

            }
});
b.setOnClickListener(new OnClickListener() {
            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
                k = Integer.parseInt(et1.getText()+"");
                sq2 = iv.getWritableDatabase();
                sq2.execSQL(" update item set qty = qty + "+k+" where
icode = "+j+";");
                Toast.makeText(act, "added",0).show();
                        }
        });
}catch(Exception e)
    {
        Toast.makeText(getActivity(), "Record not
available",Toast.LENGTH_LONG).show();
    }
```

```
// TODO Auto-generated method stub

super.onStart();

}}
```

Six.java

```
package com.example.tab;


import java.util.ArrayList;

import android.R.string;

import android.os.Bundle;

import android.app.Activity;

import android.app.Fragment;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.view.LayoutInflater;

import android.view.Menu;

import android.view.View;

import android.view.View.OnClickListener;

import android.view.ViewGroup;

import android.widget.AdapterView;

import android.widget.AdapterView.OnItemSelectedListener;

import android.widget.ArrayAdapter;

import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.Toast;

public class Five extends Fragment{


Spinner sp;
    EditText et1;
    Button b;
    inventory iv;
    SQLiteDatabase sq,sq2;
    ArrayList<String> ar;
    ArrayAdapter<String> ad;
    Integer k,j;
@Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
            Bundle savedInstanceState) {
        // TODO Auto-generated method stub
        return inflater.inflate(R.layout.activity_five,container,false);
    }@Override
    public void onStart() {
        try{
```

```
        final Activity act = getActivity();

        et1 = (EditText)act.findViewById(R.id.editText1);

        sp = (Spinner)act.findViewById(R.id.spinner1);

        b = (Button)act.findViewById(R.id.button1);

        iv = new inventory(act);

        sq = iv.getReadableDatabase();

        ar = new ArrayList<String>();

        ad = new ArrayAdapter<String>(act,
android.R.layout.simple_spinner_item,ar);

    Cursor cr = sq.rawQuery("select * from item ;",null);

    while(!cr.isLast())

        {

            cr.moveToNext();

            ar.add(cr.getInt(0)+"");

            }

        sp.setAdapter(ad);

        sp.setOnItemSelectedListener(new OnItemSelectedListener() {


            @Override

            public void onItemSelected(AdapterView<?> arg0, View arg1,

                    int arg2, long arg3) {

                // TODO Auto-generated method stub
```

```
                        j = Integer.parseInt(arg0.getItemAtPosition(arg2)+"");
                    }

                    @Override
                    public void onNothingSelected(AdapterView<?> arg0) {
                        // TODO Auto-generated method stub
                    }});
b.setOnClickListener(new OnClickListener() {

                    @Override
                    public void onClick(View arg0) {
                        // TODO Auto-generated method stub
                        k = Integer.parseInt(et1.getText()+"");
                        sq2 = iv.getWritableDatabase();
                        sq2.execSQL(" update item set qty = qty + "+k+" where icode = "+j+";");
                        Toast.makeText(act, "added",0).show();
                                }
                });
                }catch(Exception e)
        {
```

```
                    Toast.makeText(getActivity(), "Record not 
available",Toast.LENGTH_LONG).show();

          } super.onStart();}}
```

Seven.java

```
package com.example.tab;

import java.util.ArrayList;

import android.os.Bundle;

import android.app.Activity;

import android.app.Fragment;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.view.LayoutInflater;

import android.view.Menu;

import android.view.View;

import android.view.View.OnClickListener;

import android.view.ViewGroup;

import android.widget.AdapterView;

import android.widget.AdapterView.OnItemSelectedListener;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Spinner;

import android.widget.Toast;
```

```
public class Seven extends Fragment{
    inventory inven ;
    SQLiteDatabase sqdb;
EditText t1,t2,t3,t4,t5;
Button b;
Spinner sp1;
ArrayList<String> al;
ArrayAdapter<String> ad ;
String s1;
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
            Bundle savedInstanceState) {
        // TODO Auto-generated method stub
        return inflater.inflate(R.layout.activity_seven,container,false);
    }
@Override
    public void onStart() {
        // TODO Auto-generated method stub
        try{
        Activity act = getActivity();
        t1 = (EditText) act.findViewById(R.id.editText1);
        t2 = (EditText) act.findViewById(R.id.editText2);

        t3 = (EditText) act.findViewById(R.id.editText3);

        t4 = (EditText) act.findViewById(R.id.editText4);

        t5 = (EditText) act.findViewById(R.id.editText5);

        b = (Button) act.findViewById(R.id.button1);

        sp1 = (Spinner)act.findViewById(R.id.spinner1);

        inven = new inventory(act);

        al = new ArrayList<String>();

        ad = new ArrayAdapter<String>(act,
android.R.layout.simple_spinner_item,al);

        al.add("Serial No");

        sqdb = inven.getReadableDatabase();

        Cursor cr = sqdb.rawQuery("select srno from sale;",null);

        while(!cr.isLast())

        {

            cr.moveToNext();

            al.add(cr.getInt(0)+"");

            }

        sp1.setAdapter(ad);

    sp1.setOnItemSelectedListener(new OnItemSelectedListener() {@Override

    public void onItemSelected(AdapterView<?> arg0, View arg1, int arg2,

            long arg3) {
    }


        // TODO Auto-generated method stub
        s1 = arg0.getItemAtPosition(arg2)+"";
        b.setOnClickListener(new OnClickListener() {


            @Override
            public void onClick(View arg0) {
                // TODO Auto-generated method stub
            int k = Integer.parseInt(s1);
                Cursor cr2 = sqdb.rawQuery("select * from sale where
srno = "+k+";",null);
                    while(!cr2.isLast())
                {
                    cr2.moveToNext();
                     t1.setText(cr2.getInt(1)+"");
                     t2.setText(cr2.getInt(2)+"");
                     t3.setText(cr2.getInt(3)+"");
                     t4.setText(cr2.getInt(4)+"");
                     t5.setText(cr2.getString(5));
                    }
    }
        });
    }
```

```
@Override
        public void onNothingSelected(AdapterView<?> arg0) {
                // TODO Auto-generated method stub


        }
});     }
                catch(Exception e)
                {
                        Toast.makeText(getActivity(), "Record not
available",Toast.LENGTH_LONG).show();
                }



                super.onStart();
        }
}
```

Front.java

```
package com.example.tab;
import android.os.Bundle;
import android.app.Activity;
import android.content.Intent;
import android.view.Menu;
import android.widget.Toast;
public class Front extends Activity {


    @Override
    protected void onPause() {
        // TODO Auto-generated method stub
        super.onPause();
        finish();
    }
@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_front);
        Thread t = new Thread()
        {
            public void run()
            {
            try{
                Thread.sleep(2000);
            }catch(Exception e)
            {
                Toast.makeText(getBaseContext(), e.getMessage(),
Toast.LENGTH_LONG).show();
            }
            finally{
                startActivity(new Intent(Front.this,Tab.class));
            }}};t.start();}@Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.front, menu);
        return true;
    }

}
```

Tab.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <FrameLayout
        android:id="@+id/fm"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="0.94" >
    </FrameLayout>

</LinearLayout>
```

One.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:padding="15sp"
    android:orientation="vertical"
android:background="@drawable/o"

    >
  <ScrollView
        android:id="@+id/scrollView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical" >
    <TextView
        android:id="@+id/textView1"
        android:layout_width="195dp"
        android:textColor="@android:color/black"
        android:layout_height="wrap_content"
        android:layout_marginLeft="45sp"
        android:layout_marginTop="10sp"
          android:textStyle="bold"
        android:typeface="serif"
        android:text="Item Details"
        android:textSize="30sp" />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:hint=" Item Code"
        android:layout_marginTop="60sp"

android:textColorHint="@android:color/black"
        android:layout_height="wrap_content"
        android:ems="10" >

        <requestFocus />
    </EditText>

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:hint=" Item Name"


android:textColorHint="@android:color/black"
              android:layout_marginTop="20sp"
        android:layout_height="wrap_content"
        android:ems="10" />

    <EditText
        android:id="@+id/editText3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20sp"
        android:ems="10"
        android:hint="Quantity"

android:textColorHint="@android:color/black"
        android:inputType="number" />

    <EditText
        android:id="@+id/editText4"
        android:layout_width="match_parent"
        android:layout_marginTop="20sp"
        android:layout_height="wrap_content"
        android:hint="Price"

android:textColorHint="@android:color/black"
        android:ems="10"
        android:inputType="number" />

    <EditText
        android:id="@+id/editText5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20sp"
        android:hint="Date"

android:textColorHint="@android:color/black"
        android:ems="10"
        android:inputType="date" />

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textColor="@android:color/black"
          android:layout_marginLeft="95sp"
          android:layout_marginTop="10sp"
                android:textStyle="bold"

        android:text="Submit"
      />
 </LinearLayout>
    </ScrollView>
</LinearLayout>
```

Two.xml

```xml
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
 android:background="@drawable/o"
android:padding="15sp"
    android:orientation="vertical" >
 <ScrollView
        android:id="@+id/scrollView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical" >

            <TextView
                android:id="@+id/textView5"
                android:layout_width="275dp"

android:layout_height="wrap_content"
                android:layout_marginLeft="20sp"
                android:layout_marginTop="40sp"
                android:text="Customer Details"

android:textColor="@android:color/black"
                android:textSize="30sp"
                android:textStyle="bold"
                android:typeface="serif" />
            <EditText
                android:id="@+id/editText1"

android:layout_width="match_parent"

android:layout_height="wrap_content"
                android:ems="10"
                android:hint="Customer Id"
                 android:layout_marginTop="40sp"
                android:inputType="number"

android:textColorHint="@android:color/black" >

                <requestFocus />
            </EditText>

            <EditText
                android:id="@+id/editText2"

android:layout_width="match_parent"

android:layout_height="wrap_content"
                android:ems="10"
                android:hint="Customer Name"
                 android:layout_marginTop="20sp"

android:textColorHint="@android:color/black" />

            <EditText
                android:id="@+id/editText3"

android:layout_width="match_parent"

android:layout_height="wrap_content"
```

```
android:layout_marginTop="20sp"
                android:ems="10"
                android:hint="City"

android:textColorHint="@android:color/black" />

            <EditText
                android:id="@+id/editText4"

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:layout_marginTop="20sp"
                android:ems="10"
                android:hint="Contact"

android:textColorHint="@android:color/black" />

            <Button
                android:id="@+id/button1"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginLeft="115sp"
                android:layout_marginTop="20sp"
                        android:textStyle="bold"

                android:text="Submit"

android:textColor="@android:color/black" />
        </LinearLayout>
```

```
    </ScrollView>
</LinearLayout>
```

Three.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
android:background="@drawable/o"
 android:padding="15sp"
    android:orientation="vertical" >
 <ScrollView
        android:id="@+id/scrollView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical" >

            <TextView
                android:id="@+id/textView6"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginLeft="110sp"
                android:text="Order"
```

```
android:textColor="@android:color/black"
                android:textSize="25sp"
                android:textStyle="bold"
                android:typeface="serif" />

            <EditText
                android:id="@+id/editText1"

android:layout_width="match_parent"

android:layout_height="wrap_content"
                android:layout_marginTop="30sp"
                android:ems="10"
                android:hint="Order No."
                android:inputType="number"

android:textColorHint="@android:color/black" >

                <requestFocus />
            </EditText>

            <Spinner
                android:id="@+id/spinner1"
                android:layout_width="180dp"
                android:layout_height="36dp"
                android:layout_marginTop="40sp"
                android:layout_marginLeft="40sp"

android:textColor="@android:color/black" />

            <EditText
                android:id="@+id/editText2"

android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
                  android:layout_marginTop="20sp"
                  android:ems="10"
                  android:inputType="number" />

              <Spinner
                  android:id="@+id/spinner2"
                  android:layout_width="241dp"
                  android:layout_height="34dp"
                   android:layout_marginTop="30sp"
                  android:layout_marginLeft="40sp"

android:textColor="@android:color/black" />

              <EditText
                  android:id="@+id/editText3"

android:layout_width="match_parent"

android:layout_height="wrap_content"
                  android:layout_marginTop="10sp"
                  android:ems="10"
                  android:inputType="number" />

              <EditText
                  android:id="@+id/editText4"

android:layout_width="match_parent"

android:layout_height="wrap_content"
                  android:layout_marginTop="35sp"
                  android:ems="10"
                  android:hint="Quantity"
                  android:inputType="number"
```

```
android:textColorHint="@android:color/black" />

            <EditText
                android:id="@+id/editText5"
                android:layout_width="316dp"

android:layout_height="wrap_content"
                android:layout_marginTop="25sp"
                android:ems="10"
                android:hint="Order Date"

android:textColorHint="@android:color/black" />

            <Button
                android:id="@+id/button1"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginLeft="110sp"
                android:layout_marginTop="25sp"
                android:text="Button"

android:textColor="@android:color/black"
                android:textStyle="bold" />
        </LinearLayout>

    </ScrollView>
</LinearLayout>
```

Four.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:padding="10sp"
    android:orientation="vertical"
   android:background="@drawable/o"

     >
<ScrollView
        android:id="@+id/scrollView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical" >

            <TextView
                android:id="@+id/textView7"
```

```
android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginLeft="130sp"
                android:layout_marginTop="10sp"
                android:text="SellData"

android:textColor="@android:color/black"
                android:textSize="20sp"
                android:textStyle="bold"
                android:typeface="serif" />

            <EditText
                android:id="@+id/editText1"

android:layout_width="match_parent"

android:layout_height="wrap_content"
                android:layout_marginTop="30sp"
                android:ems="10"
                android:hint=" Serial No."
                android:inputType="number"

android:textColorHint="@android:color/black" >

                <requestFocus />
            </EditText>

            <Spinner
                android:id="@+id/spinner1"
                android:layout_width="149dp"
                android:layout_height="35dp"
                android:layout_marginTop="60sp"
```

```
android:layout_marginLeft="100sp"

android:textColor="@android:color/black" />

            <EditText
                android:id="@+id/editText2"
                android:layout_width="240dp"

android:layout_height="wrap_content"
                android:layout_marginTop="5sp"
                android:layout_marginLeft="40sp"
                android:ems="10"
                android:inputType="number" />

            <Spinner
                android:id="@+id/spinner2"
                android:layout_width="149dp"
                android:layout_height="38dp"
                android:layout_marginTop="35sp"

android:layout_marginLeft="100sp"

android:textColor="@android:color/black" />

            <EditText
                android:id="@+id/editText3"
                android:layout_width="240dp"

android:layout_height="wrap_content"
                android:layout_marginLeft="40sp"
                android:ems="10"
                android:inputType="number" />

            <Spinner
```

```
                android:id="@+id/spinner3"
                android:layout_width="149dp"
                android:layout_height="35dp"
                android:layout_marginTop="35sp"

android:layout_marginLeft="100sp"

android:textColor="@android:color/black" />

            <EditText
                android:id="@+id/editText4"
                android:layout_width="240dp"

android:layout_height="wrap_content"
                android:layout_marginTop="10sp"

android:layout_marginLeft="40sp"
                android:ems="10"
                android:inputType="number" />

            <EditText
                android:id="@+id/editText5"

android:layout_width="match_parent"

android:layout_height="wrap_content"
             android:layout_marginTop="40sp"
                android:ems="10"
                android:hint="Rate"
                android:inputType="number"

android:textColorHint="@android:color/black" />

            <EditText
                android:id="@+id/editText6"
```

```
android:layout_width="match_parent"

android:layout_height="wrap_content"
               android:layout_marginTop="30sp"
                android:ems="10"
                android:hint="Selling Date"

android:textColorHint="@android:color/black" />

            <Button
                android:id="@+id/button1"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginLeft="110sp"
                android:text="Submit"
                 android:layout_marginTop="30sp"

android:textColor="@android:color/black"
                android:textStyle="bold" />
        </LinearLayout>

    </ScrollView>
</LinearLayout>
```

Five.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
android:background="@drawable/o"
   android:padding="15sp"
    >

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="60sp"
        android:text="Addition"
        android:textColor="@android:color/black"
        android:textSize="40sp"
        android:textStyle="bold"
        android:typeface="serif" />
    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="100sp"
        android:layout_marginTop="40sp"
        android:text="Item Code"
        android:textColor="@android:color/black"
        android:textSize="20sp"
        android:typeface="serif" />

    <Spinner
        android:id="@+id/spinner1"
        android:layout_width="88dp"
        android:layout_height="37dp"
        android:layout_marginTop="30sp"
         android:layout_marginLeft="100sp"
        android:textColor="@android:color/black"
/>

    <EditText
        android:id="@+id/editText1"
        android:layout_width="236dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="25sp"
        android:layout_marginLeft="25sp"
        android:ems="10"
        android:hint=" Type the Qty. to be
added"
        android:inputType="number"

android:textColorHint="@android:color/black" >

        <requestFocus />
    </EditText>
    <Button
        android:id="@+id/button1"

        android:layout_width="140dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70sp"
        android:textStyle="bold"
        android:layout_marginTop="50sp"
        android:text="add"
        android:textColor="@android:color/black"
/>

</LinearLayout>
```

Six.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical"
    android:background="@drawable/o"
    android:padding="15sp" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="258dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="50sp"
        android:layout_weight="0.21"
        android:textStyle="bold"
        android:text="Pending Orders"
        android:textSize="30sp" />

    <Spinner
        android:id="@+id/spinner1"
        android:layout_width="122dp"
        android:layout_height="33dp"
          android:layout_marginLeft="80sp"
        android:layout_marginTop="20sp" />

    <Button
        android:id="@+id/button1"
        android:layout_width="130dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="95sp"
        android:layout_marginTop="20sp"
        android:text="Show Details"
        android:textColor="@android:color/black"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="30sp"
        android:ems="10"
        android:hint="Customer Code"

android:textColorHint="@android:color/black" >

        <requestFocus />
    </EditText>

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20sp"
        android:ems="10"
        android:hint="Item Code"

android:textColorHint="@android:color/black" />

    <EditText
        android:id="@+id/editText3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20sp"
        android:ems="10"
        android:hint="Quantity"

android:textColorHint="@android:color/black" />

    <EditText
        android:id="@+id/editText4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20sp"
        android:ems="10"
        android:hint="Order Date"

android:textColorHint="@android:color/black" />

</LinearLayout>
```

Front.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="@drawable/d"

    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="100sp"
        android:layout_marginTop="100sp"
        android:text="Inventory"
        android:textColor="@android:color/white"
        android:textSize="35sp" />



</LinearLayout>
```

Seven.xml

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/re
s/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="@drawable/o"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="60sp"
        android:layout_marginTop="10sp"
        android:text="Sales Report"
        android:textStyle="bold"
        android:textSize="30sp" />

    <Spinner
        android:id="@+id/spinner1"
        android:layout_width="114dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="90sp"
        android:layout_marginTop="20sp" />

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="30sp"
         android:layout_marginLeft="100sp"
        android:text="Show" />

    <EditText
        android:id="@+id/editText3"
        android:layout_width="188dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70sp"
        android:layout_marginTop="20sp"
        android:ems="10"
        android:hint="Order No"

android:textColorHint="@android:color/black" />

    <EditText
```

```
        android:id="@+id/editText1"
        android:layout_width="186dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70sp"
        android:layout_marginTop="10sp"
        android:ems="10"
        android:hint="Customer Code"

android:textColorHint="@android:color/black" >

        <requestFocus />
    </EditText>

    <EditText
        android:id="@+id/editText2"
        android:layout_width="184dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70sp"
        android:layout_marginTop="10sp"
        android:layout_weight="0.01"
        android:ems="10"
        android:hint="Item Code"

android:textColorHint="@android:color/black" />

    <EditText
        android:id="@+id/editText4"
        android:layout_width="184dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70sp"
        android:layout_marginTop="10sp"
        android:ems="10"
        android:hint="Rate"

android:textColorHint="@android:color/black" />
```

```
    <EditText
        android:id="@+id/editText5"
        android:layout_width="182dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="70sp"
        android:layout_marginTop="10sp"
        android:ems="10"
        android:hint="Selling Date"

android:textColorHint="@android:color/black" />

</LinearLayout>
```

Manifest.xml

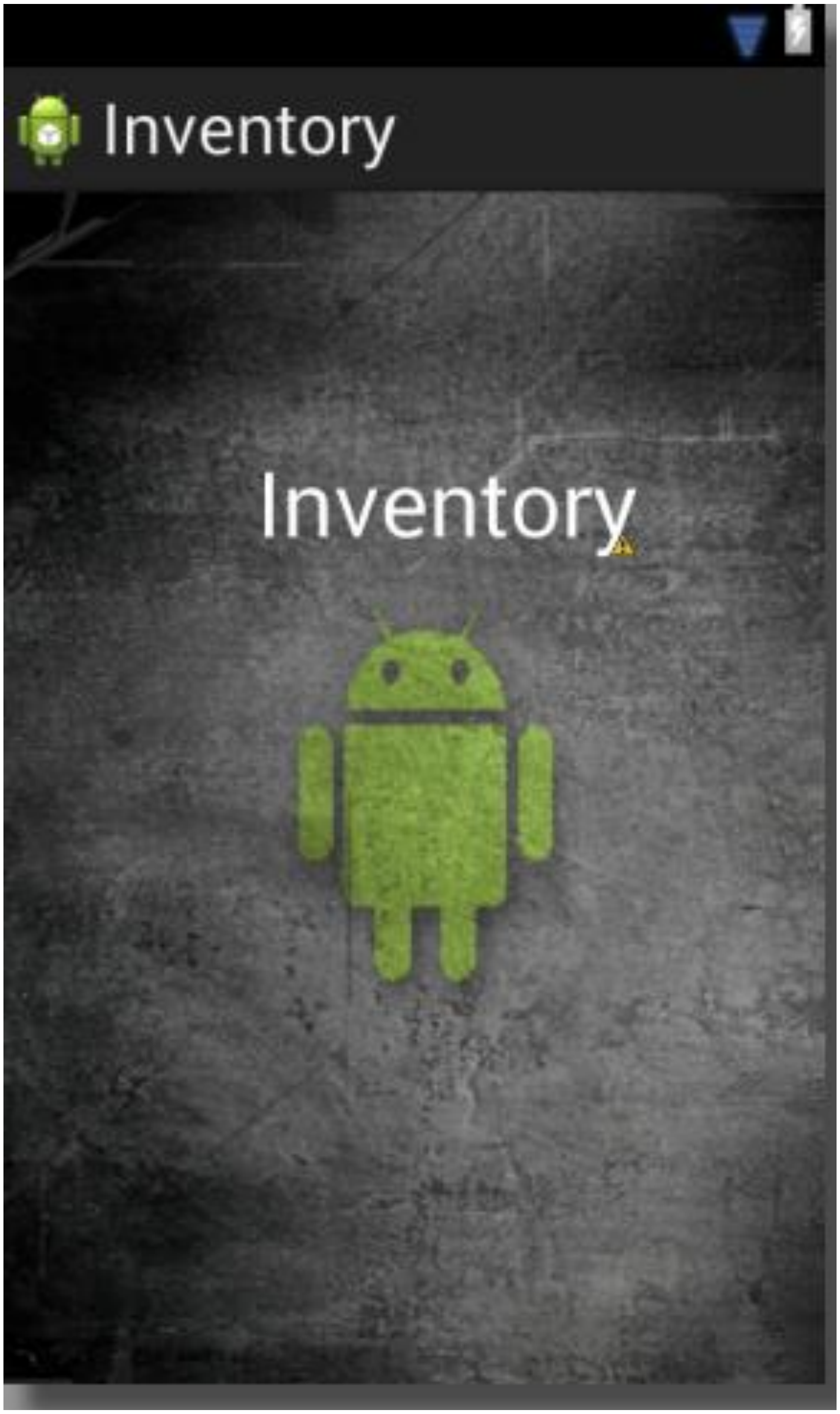
```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
    package="com.example.tab"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="19"
        android:targetSdkVersion="19" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name="com.example.tab.Front"
            android:label="@string/app_name" >
            <intent-filter>
                <action
android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER"
/>
            </intent-filter>
        </activity>
        <activity
            android:name="com.example.tab.One"

android:label="@string/title_activity_one" >
        </activity>
        <activity
            android:name="com.example.tab.Two"

android:label="@string/title_activity_two" >
        </activity>
        <activity
            android:name="com.example.tab.Three"

android:label="@string/title_activity_three" >
        </activity>
        <activity
            android:name="com.example.tab.Four"

android:label="@string/title_activity_four" >
        </activity>
        <activity
            android:name="com.example.tab.Five"

android:label="@string/title_activity_five" >
        </activity>
        <activity
            android:name="com.example.tab.Frame"

android:label="@string/title_activity_frame" >
        </activity>
        <activity
            android:name="com.example.tab.Tab"
            android:label="@string/app_name" >
        </activity>
        <activity
            android:name="com.example.tab.Six"

android:label="@string/title_activity_six" >
        </activity>
        <activity
            android:name="com.example.tab.Seven"

android:label="@string/title_activity_seven" >
        </activity>
    </application>
```

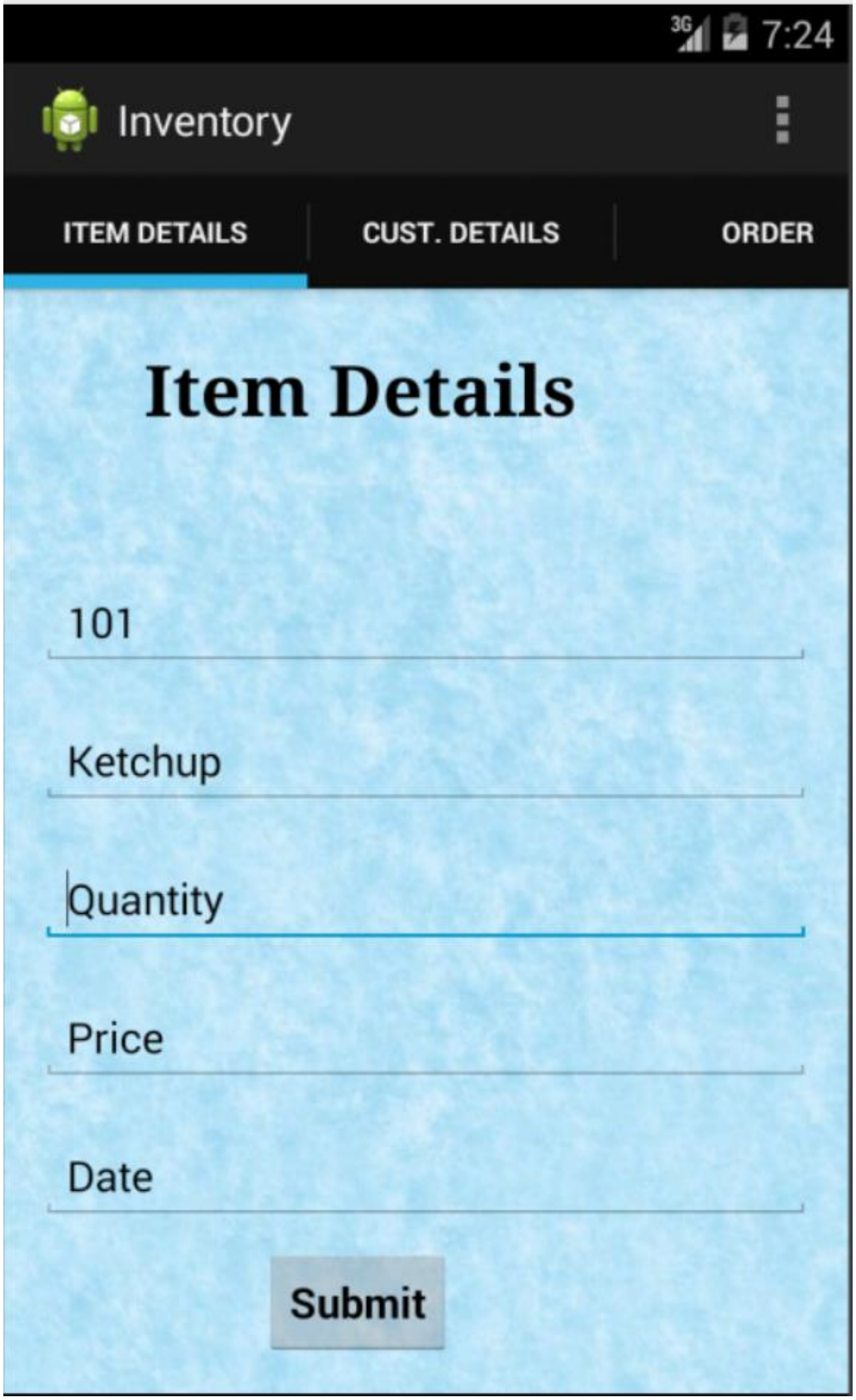
```
</manifest>
```

Snapshots

Splash Screen



Item Details



Item Details

101

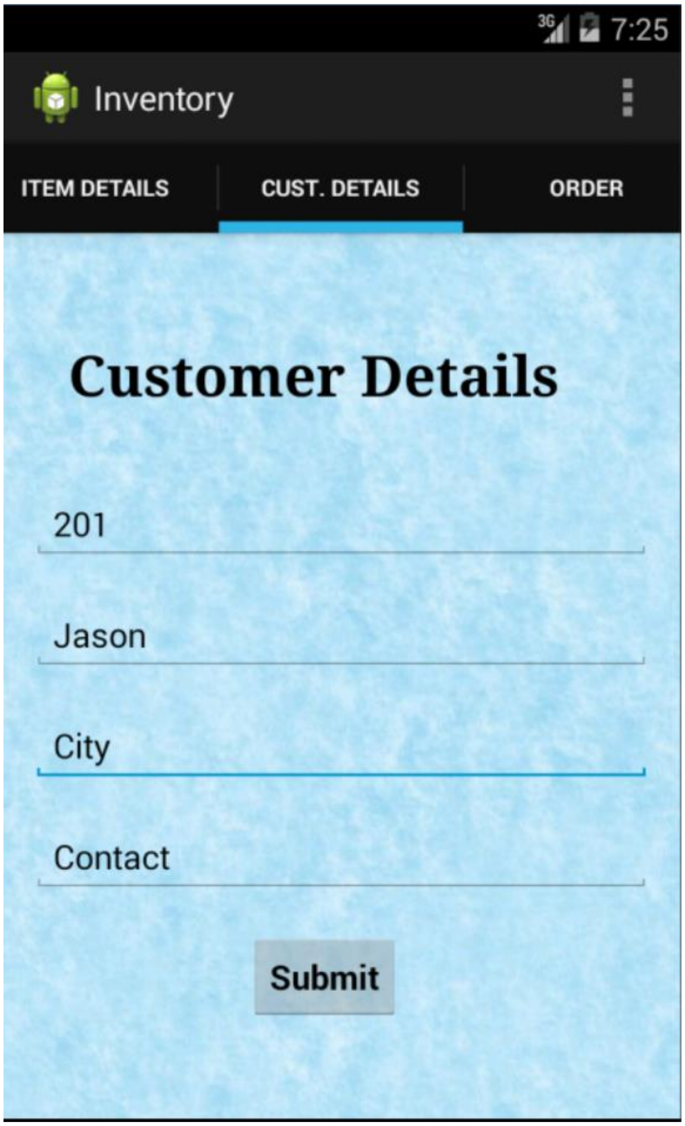
Ketchup

Quantity

Price

Date

Customer Details



Customer Details

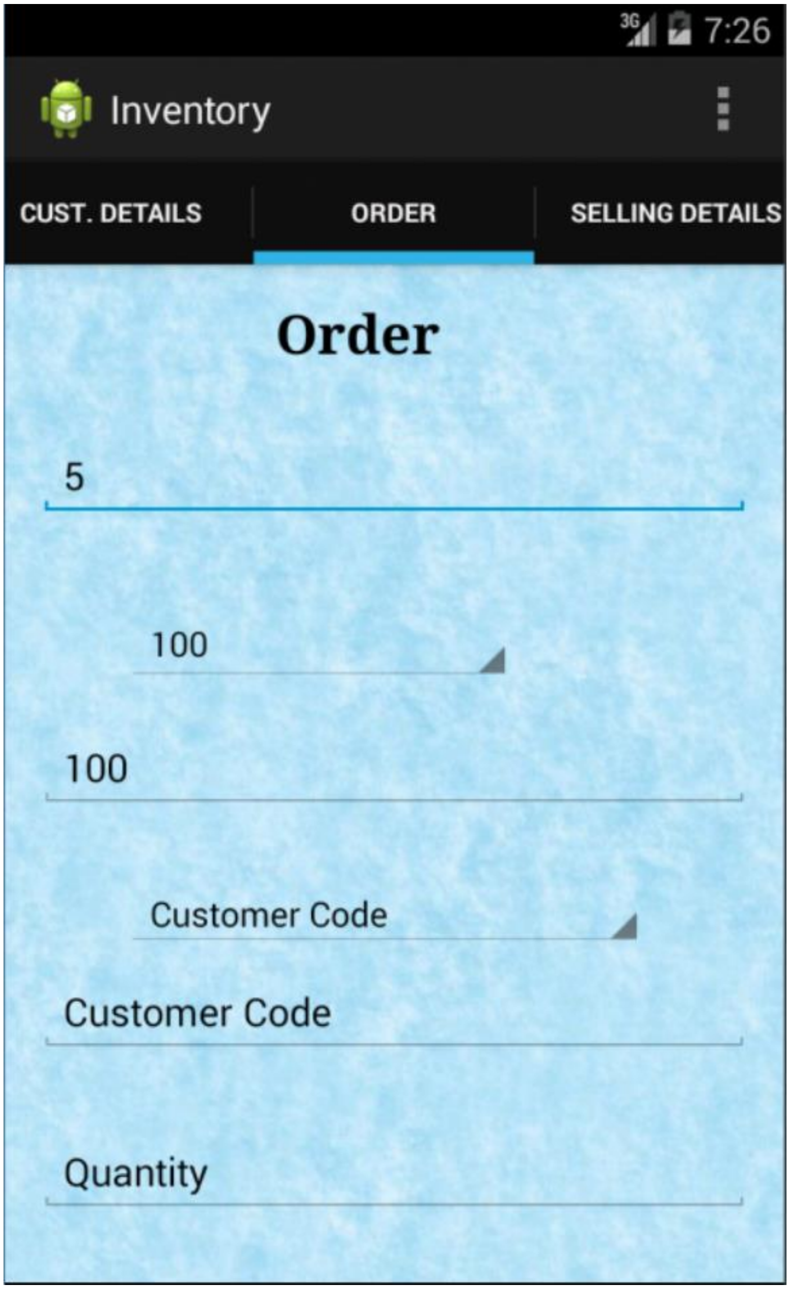
201

Jason

City

Contact

Order Page



Order

5

100

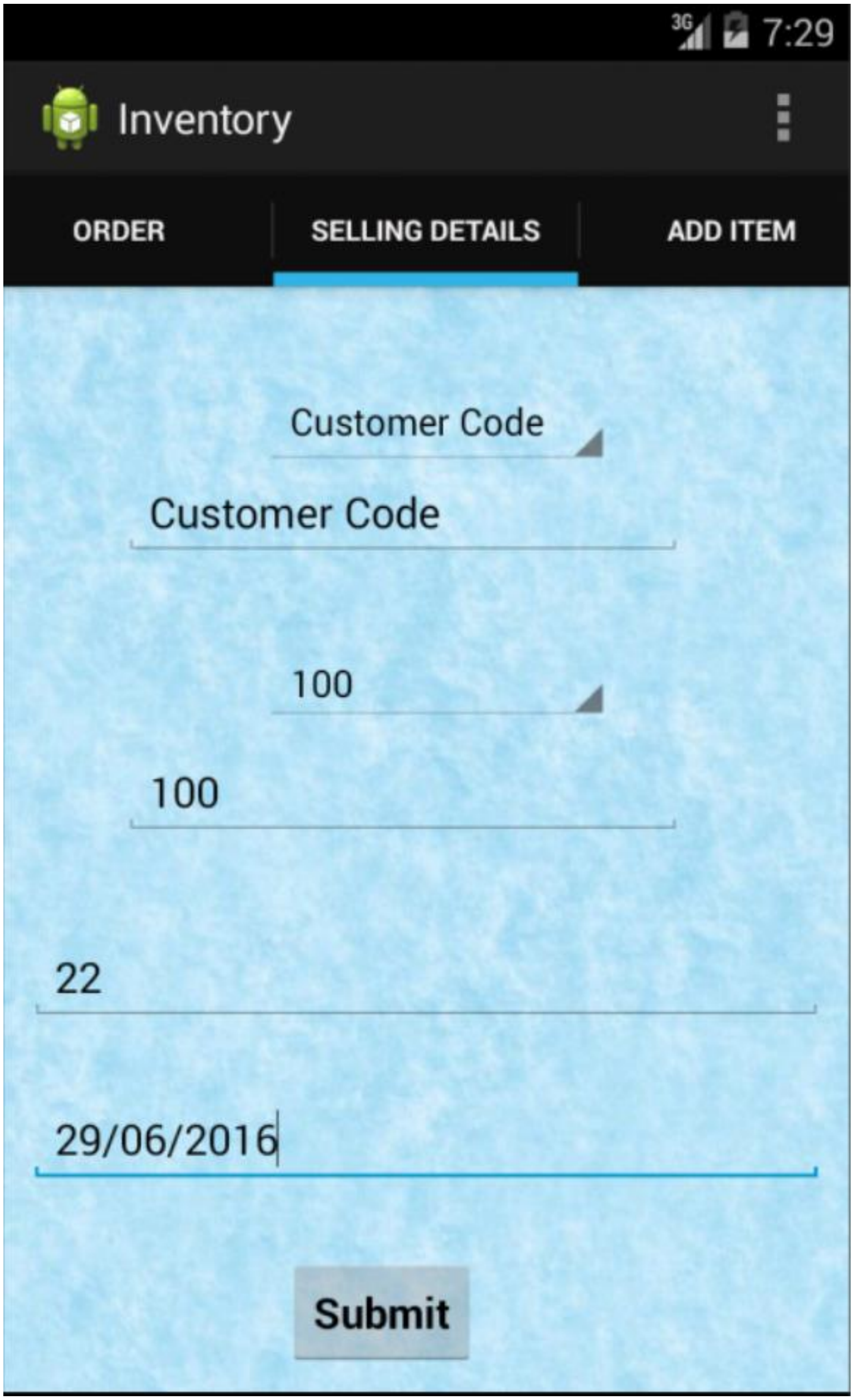
100

Customer Code

Customer Code

Quantity

Sale Page



Customer Code

Customer Code

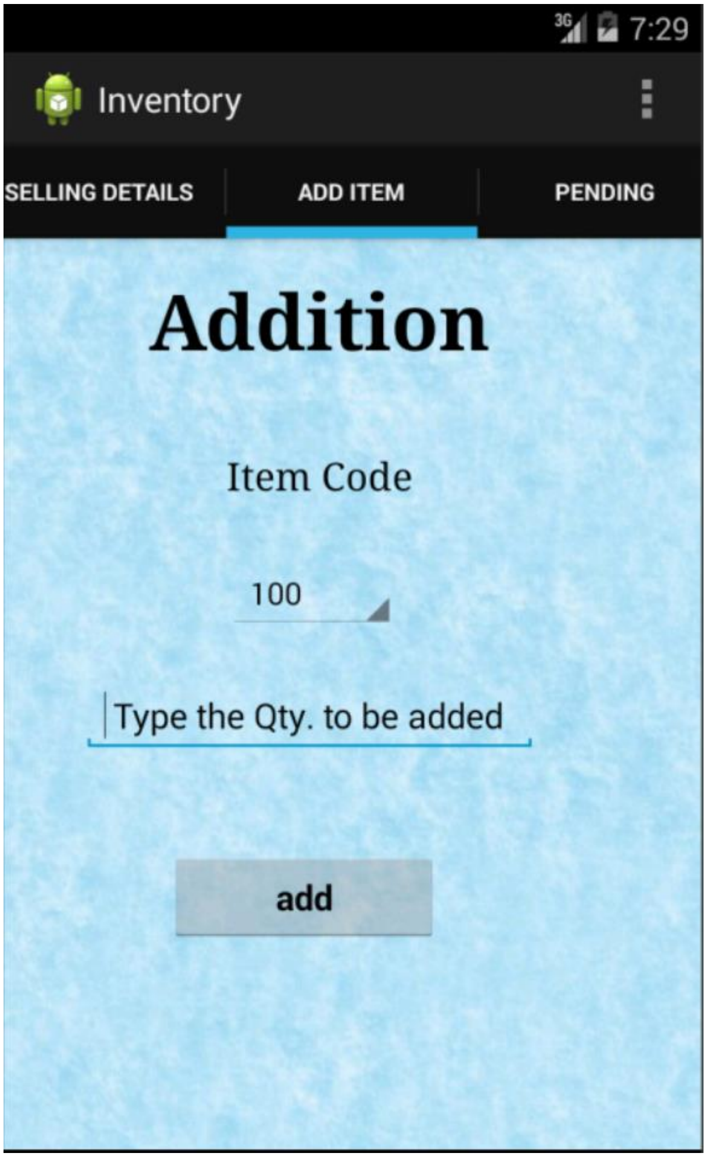
100

100

22

29/06/2016

Item Addition



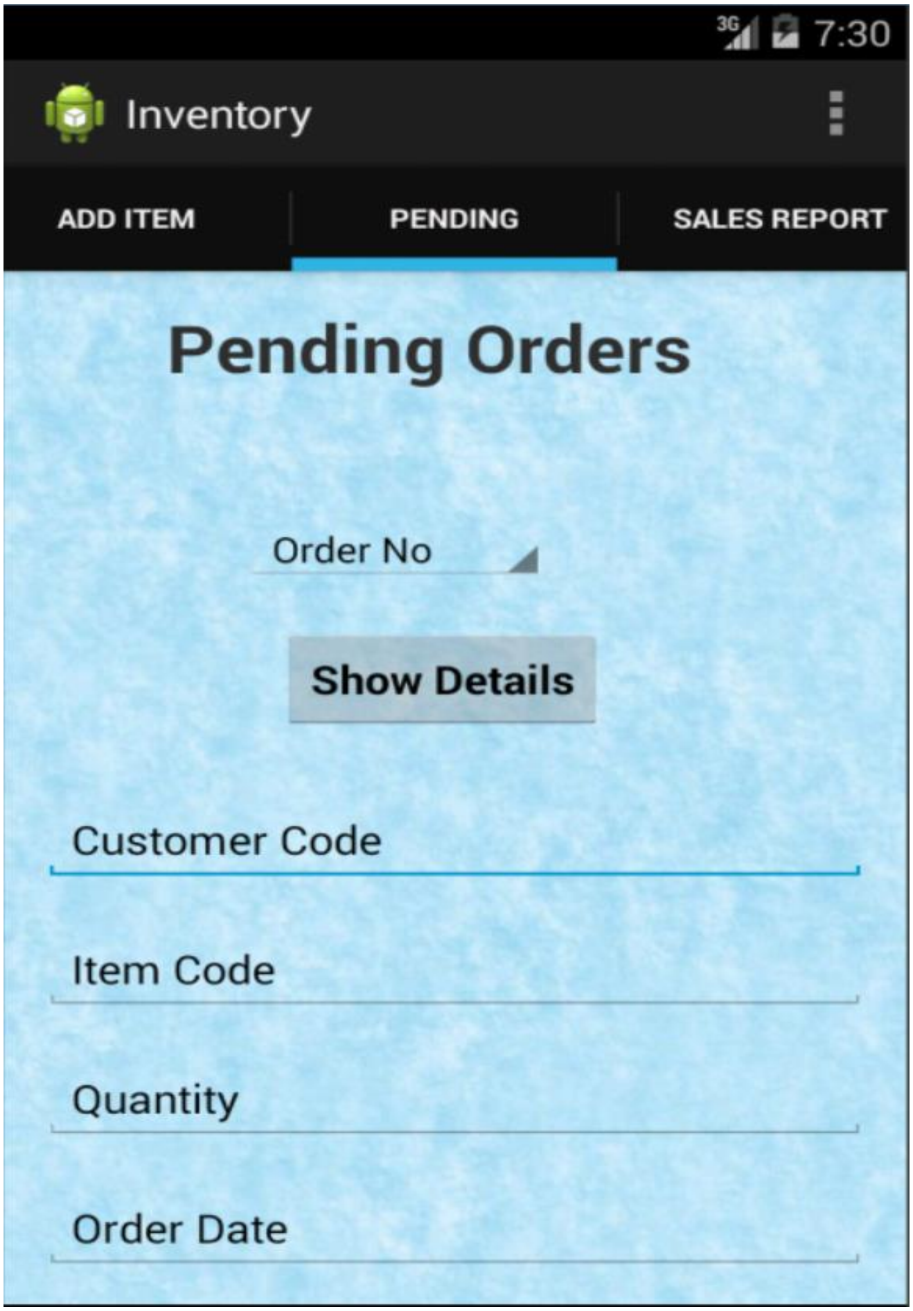
Addition

Item Code

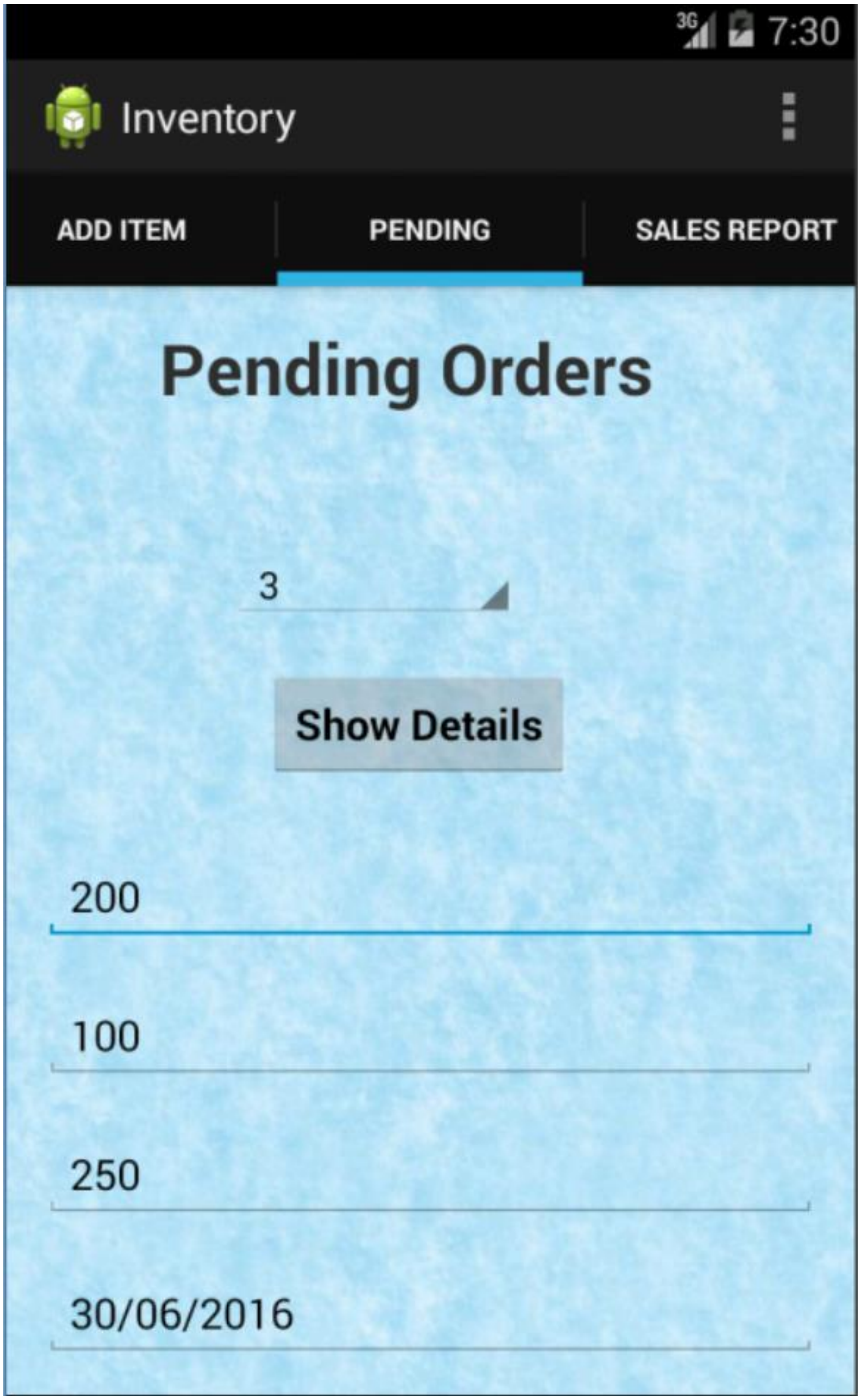
100

Type the Qty. to be added

Pending Orders



Pending Orders



3

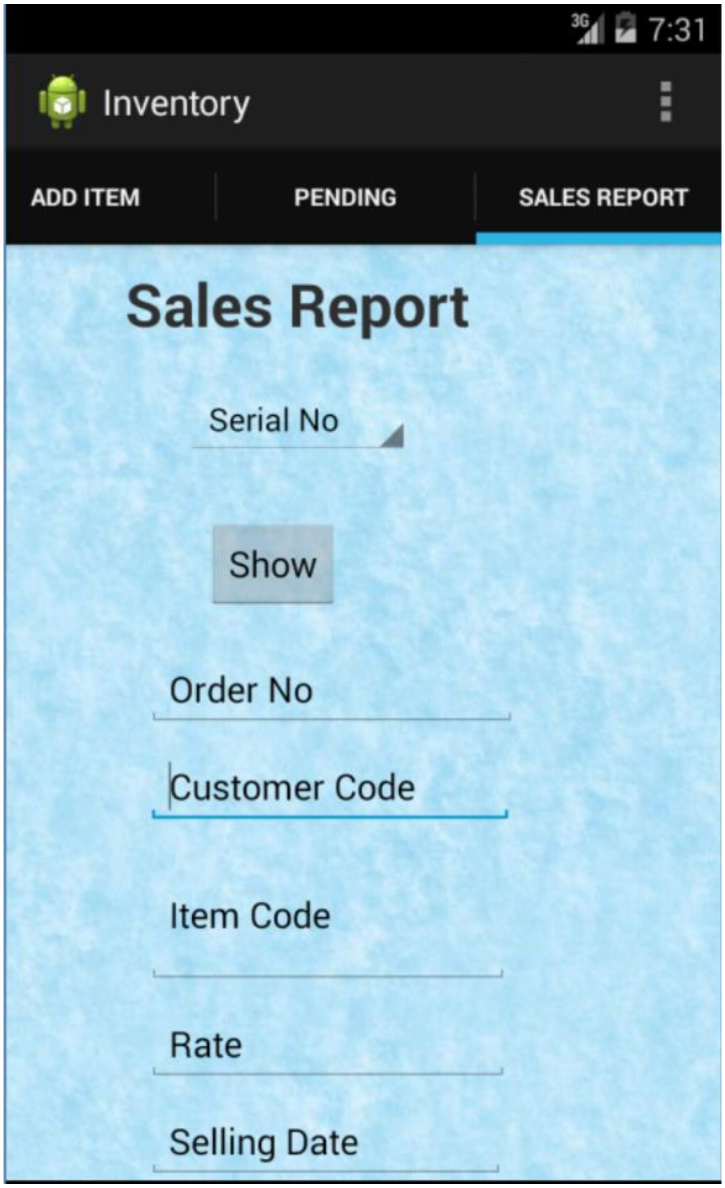
200

100

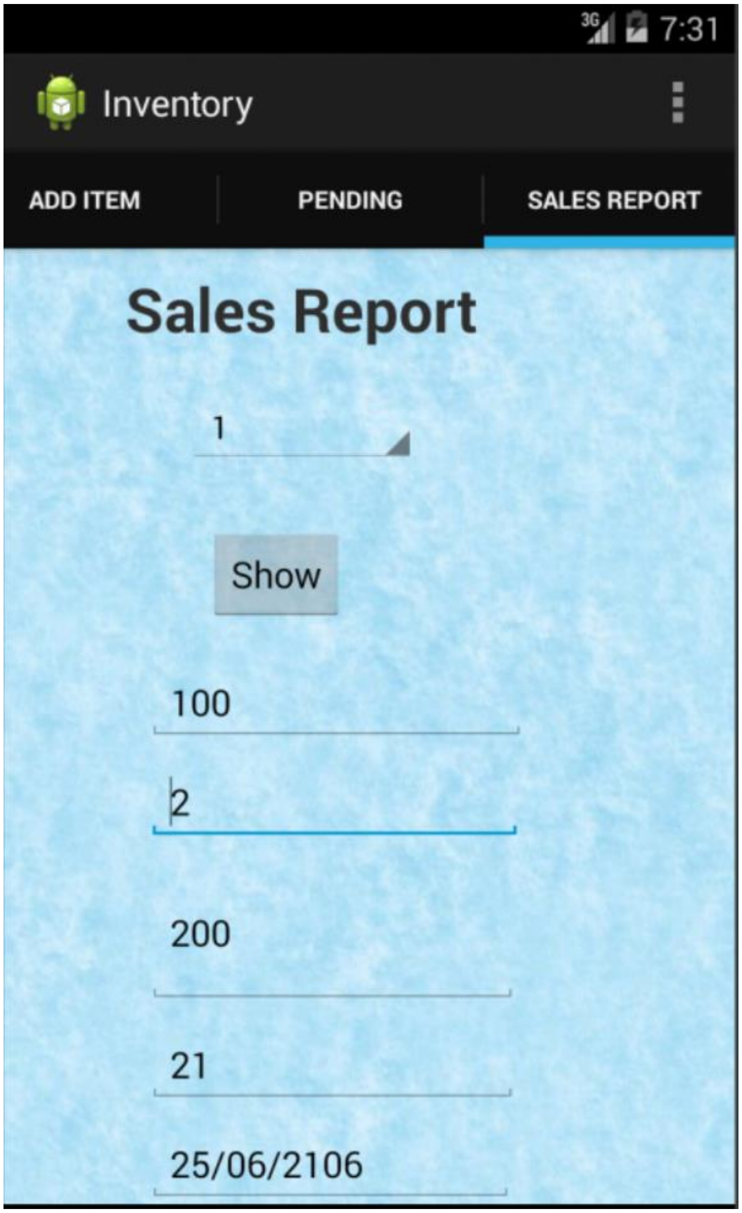
250

30/06/2016

Sales Report



Sales Report



Sales Report

1

100

2

200

21

25/06/2106

SYSTEM TESTING

TESTING METHODOLOGY

Testing is an important part of the software development process, to detect bugs, improve software design and to reduce usability problems. Testing attempts to find errors in the following categories:

1. Incorrect or missing functions. 2. Interface errors. 3. Errors in the data structure or external database access. 4. Behavior or performance errors.

The output is a document that is usually textual and nonexecutable. After the coding fails, computer programs are available that can be executed for testing purposes. This applies that testing not only has to uncover errors introduced during coding but also errors introduced during the previous phases. Thus the goal of testing is to uncover requirement design and coding errors in the program.

Unit Testing

Unit testing focuses verification effort on the smallest unit of software design- the software component or module. Using the component-level design description as a guide, important control paths are tested to uncover errors within boundary of the module.

The unit test focuses on the internal processing logic and data structures within the boundaries of a component. This type of testing can be conducted in parallel for multiple components.

Integration Testing

Integration testing is a systematic technique for constructing the software architecture while at the same time conducting tests to uncover errors associated with interfacing. The objective is to take unit tested

and build a program structure that has been dictated by design. The modules are gradually integrated to eventually from the entire system.

System Testing

System testing is actually a series of different tests whose primary purpose is to fully exercise the computer-based system. Although each test has a different purpose, all work to verify that system elements have been properly integrated and perform allocated function. There are basically two types of software testing Techniques:

1. White Box Testing

2. Black Box Testing

White Box Testing

It is a test case design method that uses a control structure of the procedural design to derive test cases. Exhaustive White Box Testing should be able to guarantee that: All independent paths within a module have been executed at least once.

All logical decisions on their true and false sides have been exercised. All loops within their boundaries and within their operational bounds have been executed.

All internal data structures have been exercised and assured of their validity

Black Box Testing

This type of test case design methods focuses on the functional requirements of the software, ignoring the control structure of the program. It attempts to find errors in the following categories:

1. Incorrect or missing functions.

2. Interface errors.

3. Errors in data structures or external database access.

TEST SCENARIOS

Testing is basically performed in the following areas :

->Checking whether the user has used the correct codes.

-> Checking if the order exceeds the stock available.

-> Checking the input in specific field for database.

->Regression testing is performed manually to check that correction of any error has not adversely effected the working of other components.

SYSTEM MAINTENANCE

Maintenance is the part of the System Development Life Cycle which is actually the implementation of the post implementation review plan. When this system is installed it is used for long period. The average life of a system is 4 to 6 year and maximum used for 10 years.

However, this period of use brings with it the need to continually maintain the system, but this system can be modified and new technologies can be used which are prevalent in market at that period of time.

Bibliography

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