



Jahangirnagar University

Project Reports On

APP of Ramadan

Course Title: Mobile Application Development Laboratory

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Submitted To:

Dr. Md. Ezharul Islam & Dr. Liton Jude Rozario

Professor, Professor

Department of Computer Science & Engineering.

Submitted By:

Md. Mamun or Rashid

Roll:2050

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Department of Computer Science & Engineering

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1.0 INTRODUCTION

In today's tech era, IOT (Internet of things) has become much popular around the world. Almost all the devices, which are known as smart device, can connect to the internet and access data from any corner of the world. There was a time when people used to waste their valuable times just to get a piece of information. Now the technology is more advance then compare to any previous times. One of the blessings of technology is Mobile application. It allows users to interact with the system from anywhere as long as they are connected to the internet.

Here the system I am going to discuss is "App of Ramadan" which is completely a mobile application. As we already discussed above that internet has made the user's interaction through the system easier. So this android application give user easy access. Moreover, in recent peoples are like to use smart phone. So, they want to find Prayer and Roza time without any hesitations. In this modern tech era they want a system that will enhance the portability, accessibility as well as user friendly. So here, we are going to implement an android application, which i already stated above, having all the features that will make it more user friendly and accessible.

2.0 Why I developed such application?

I developed such android application because published applications are confusing, they contains lot of information but not look and feel. I included some main feature which are easy to access and actually need.

Below I will describe the assumptions, features and how the system is going to be designed . Along with that I will also provide some strong and weakness (limitations) of the system.

3.0 FEATURES

According to our system we are having some features which will make users to access the system smoothly. Here we will describe what are going to implement in this “App of Ramadan” application. I will integrate the features with the user's interaction to make it clearer.

Features:

- Prayer time
- Saheri and Iftar time
- Selection of city
- Set alarm time
- Some QURAN & Hadis article.
- Databases

4.0 ASSUMPTION

Here we are going to illustrate some of the assumption regarding the systems functionalities. We will discuss some of the advantages, disadvantages of the system itself. We will also show how we will design or modelling the system using UML (Uniform Modelling Language) . For further description in details we will proceed step by step so that it will help us to understand the overall

development process. Now we will list out some advantages and disadvantages regarding the system functionalities.

4.1 Advantages

- Easy to use. For simplicity we did not include login system.
- All necessary information are appear in the home page. User do not need to find important features anywhere.
- No need to connect all time in the internet.

4.2 Disadvantages

- It only shows one month data.

5.0 SOFTWARE DEVELOPMENT MODEL

A software development model or system development methodology in software engineering is a framework that is used to structure, plan as well as control the process of developing an information system. There are few software development models which we usually follows. They are:

- Agile Software Development
- Extreme Programming
- JAD (Joint Application Development) Waterfall
- WSDM (Web Semantic Design Method)
- Design Improvement
- Small Releases
-

Changes in software requirements is a common in every software development. As a developer we need to make sure that whatever the changes take place our system should meet the overall requirements of the stakeholders. Here I am going to choose XP (Extreme Programming) methodology to develop this system.

Extreme Programming

Extreme Programming is one of the agile methodology for system development. Here changes in requirements while iteration is possible compare to others like (Scrum, RAD etc.). It improves the quality and responsiveness of system application.

There are 5 phases in this agile methodology. They are:

- Planning
- Designing

- Coding
- Testing
- Listening

We are going to discuss how we relate those phases in this development in details.

Planning

The first step we are going to take is planning. I collected some important “**user stories**”. Here the users of our system are Admin, User. We will convert their requirements into the iteration which is usually a small parts of the system functionalities. We will focus on dead line of the iteration so that we will be able to complete the requirements on time.

Design

After the planning we will start designing the overall system. Here we will include object oriented design models (UML) to illustrate the overall functionalities of the system. This design models will show the active users of the system and their involvement in every process.

Coding

This is the most important phases we will take into account while developing the system. Here we will do pair coding for developing the system using one machine so that at the end we will be able to produce high quality code and at the same time reduce the overall cost. It will also help us to reduce the conflict and optimize the functionalities of the system.

Java Naming Conventions:

1. **Classes and Interfaces:** Class names should be nouns, in mixed case with the first letter of each internal word capitalized. Interfaces name should also be capitalized just like class names. interface Bicycle class MountainBike implements Bicycle interface Sport class Football implements Sport
2. **Methods:** Methods should be verbs, in mixed case with the first letter lowercase and with the first letter of each internal word capitalized. Examples: void changeGear(int newValue); void speedUp(int increment); void applyBrakes(int decrement);
3. **Variables:** Variable names should be short yet meaningful.
 - Should not start with underscore(‘_’) or dollar sign ‘\$’ characters.
 - Should be mnemonic i.e, designed to indicate to the casual observer the intent of its use.
 - One-character variable names should be avoided except for temporary variables.
 - Common names for temporary variables are i, j, k, m, and n for integers; c, d, and e for characters. Examples:

```
int i_speed = 0;
```

```
int i_gear = 1;
Private field datatype_listItem
    Variable datatype_listOfValues
XML :
    EditText: etName Example: etUserName
    Button: btnName Example: btnCreate
```

4.Constant variables:

- Should be all uppercase with words separated by underscores (“_”).
 - There are various constants used in predefined classes like Float, Long, String etc.
- Examples: static final int MIN_WIDTH = 4; public static final float POSITIVE_INFINITY = 1.0f / 0.0f; public static final float NEGATIVE_INFINITY = -1.0f / 0.0f; public static final float NaN = 0.0f / 0.0f;

5.Packages:

- The prefix of a unique package name is always written in all-lowercase ASCII letters and should be one of the top-level domain names, like com, edu, gov, mil, net, org.
- Subsequent components of the package name vary according to an organisation’s own internal naming conventions. Examples: com.sun.eng com.apple.quicktime.v2

6. Parenthesis: public void pickup() {

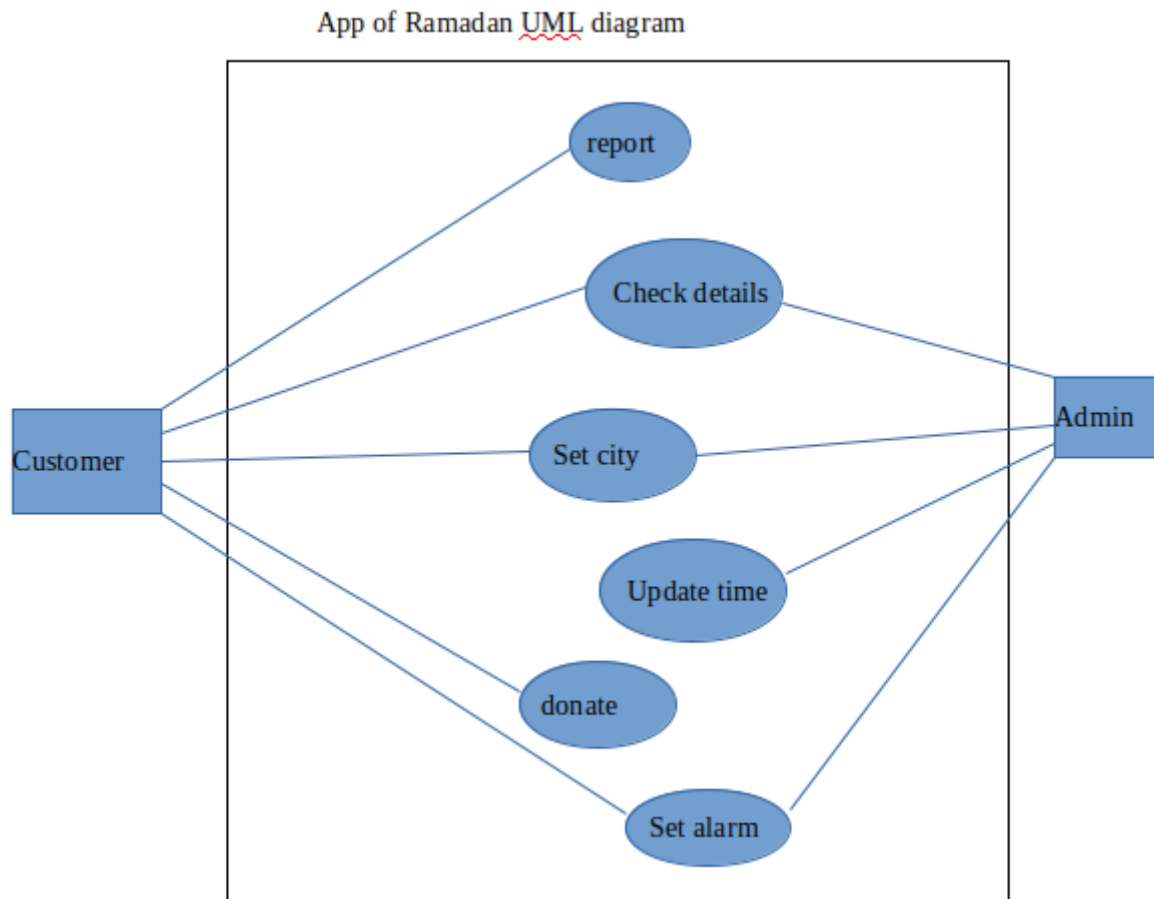
}

//// if() {

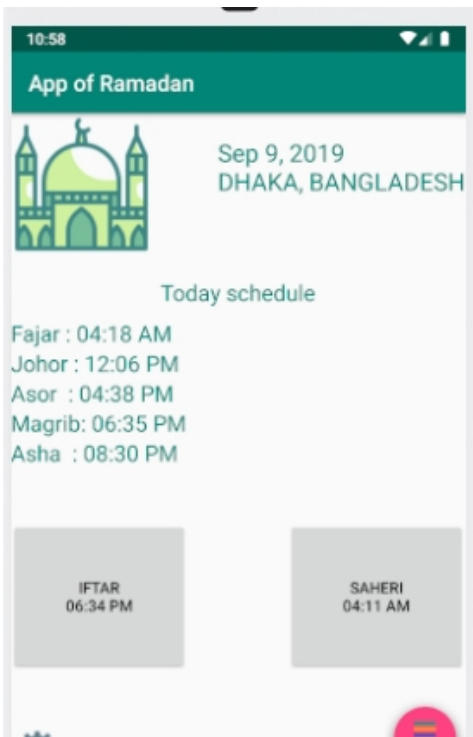
} // first = second; first = first + second;

6.0 ANALYSIS MODEL

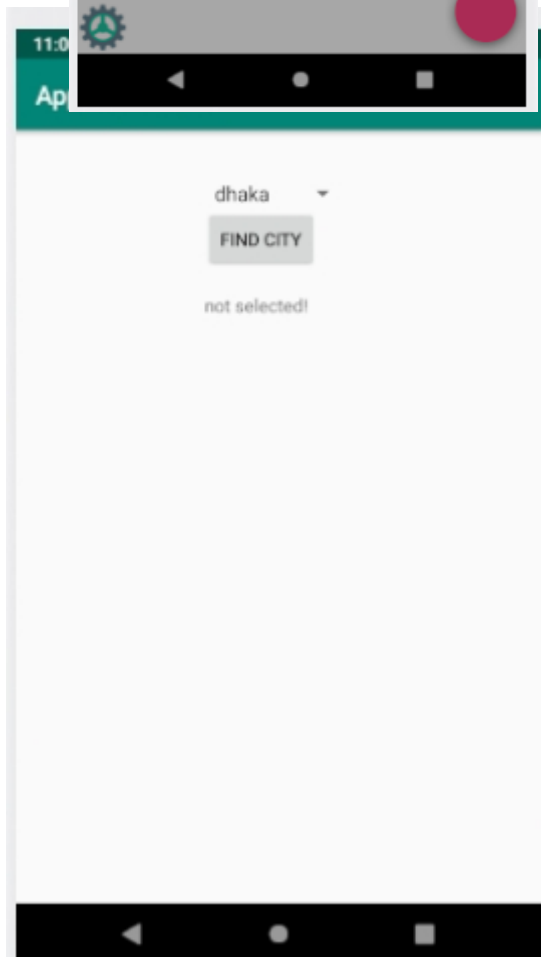
6.1 UML (Uniform Modelling Language)



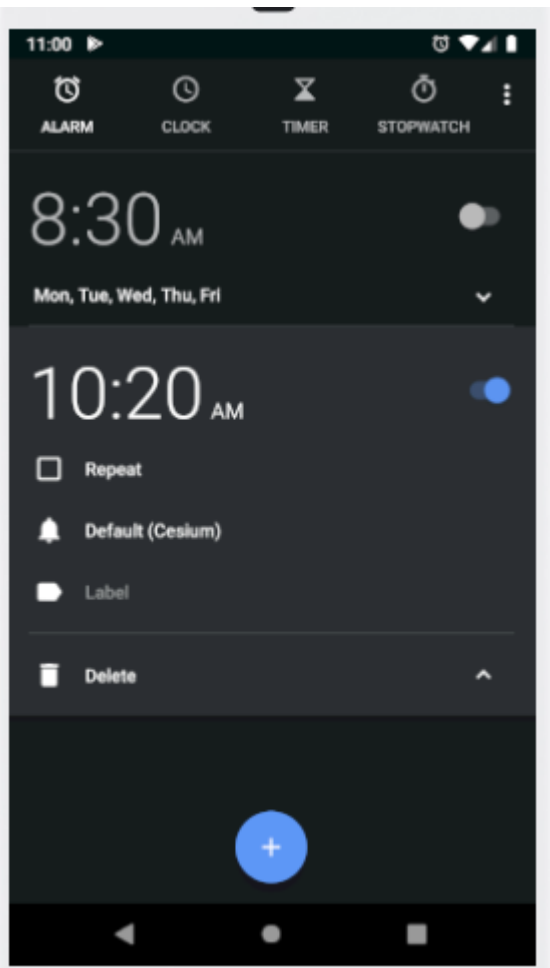
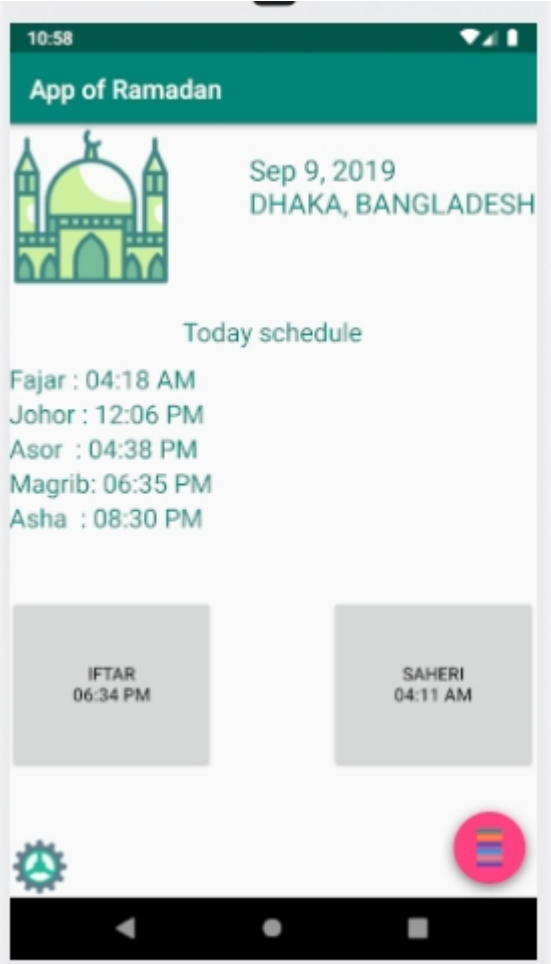
7.0 UI DESIGN



**Boom
Menu:
Setting:**



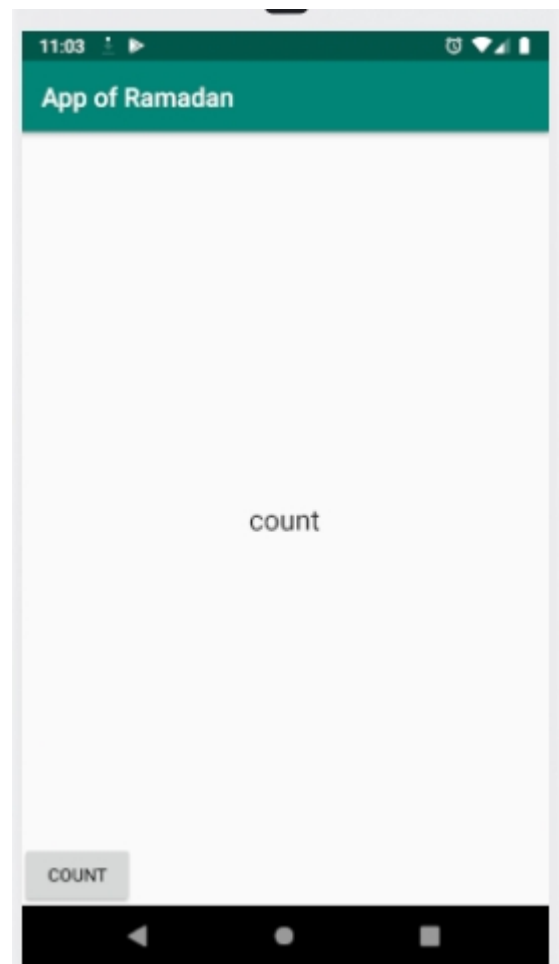
Alarm Button:



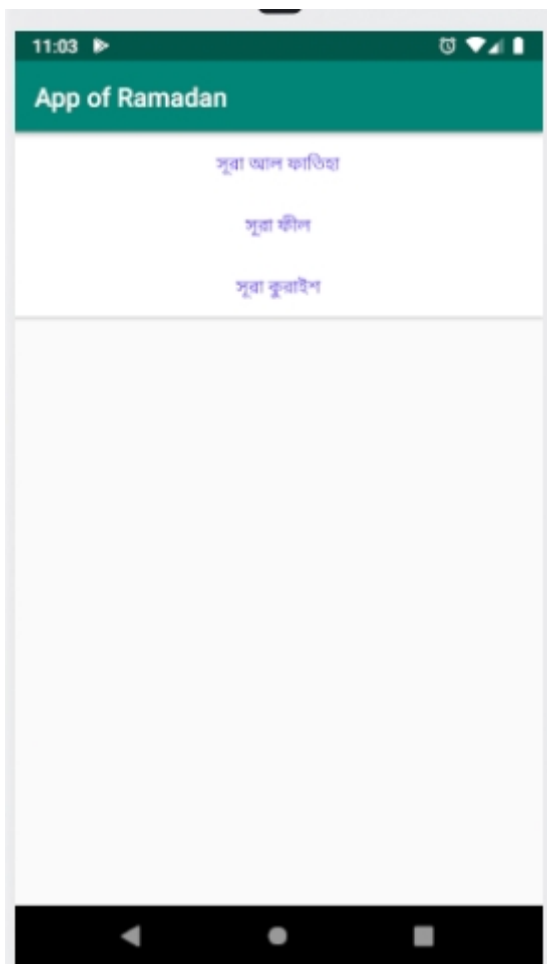
Month details:



Tosbih count:



Quran & Hadis:



Database:

The screenshot shows the DB Browser for SQLite application. The main window displays a table named 'time' with the following data:

	date	saheri	ifter	fajar	johor	asor	
1	09	04:11	06:34	04:18	12:06	04:38	06
2	010	04:12	06:35	04:18	12:06	04:38	06

The right sidebar shows the 'Edit Database Cell' panel with the 'Mode' set to 'Text'. The 'Type of data currently in cell' is 'Text / Numeric' with '1 character(s)'. The 'Remote' section shows 'Identity' as 'Public'. The bottom status bar indicates '1 - 2 of 2' rows and a 'Go to: 1' field.

Code:

```
package com.mp.newexternaldatabase;
import android.content.Intent;
import android.media.Ringtone;
import android.media.RingtoneManager;
import android.provider.AlarmClock;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextClock;
import android.widget.TextView;
import android.widget.TimePicker;
import com.mp.newexternaldatabase.leftbar.Article;
import com.mp.newexternaldatabase.leftbar.Doa;
import com.mp.newexternaldatabase.leftbar.Hadish;
import com.mp.newexternaldatabase.leftbar.MonthDetails;
import com.mp.newexternaldatabase.leftbar.Share;
import com.mp.newexternaldatabase.leftbar.Tosbih;
import com.mp.newexternaldatabase.setting.Setting;
import com.nightonke.boommenu.BoomButtons.ButtonPlaceEnum;
import com.nightonke.boommenu.BoomButtons.HamButton;
import com.nightonke.boommenu.BoomButtons.OnBMClickListener;
import com.nightonke.boommenu.BoomMenuButton;
import com.nightonke.boommenu.ButtonEnum;
import com.nightonke.boommenu.Piece.PiecePlaceEnum;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Date;
import java.util.Timer;
import java.util.TimerTask;
public class MainActivity extends AppCompatActivity {
    String cityName="";
    Button btnIftar, btnSaheri;
```

```

TextView tvfajar, tvjohor, tvasor, tvmagrib, tvasha;
BoomMenuButton bmb;
ArrayList<Integer> imageIDList;
ArrayList<String> titleList;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    tvfajar = findViewById(R.id.tvMainFajar);
    tvjohor = findViewById(R.id.tvMainJohor);
    tvasor = findViewById(R.id.tvMainAsor);
    tvmagrib = findViewById(R.id.tvMainMagrib);
    tvasha = findViewById(R.id.tvMainAsha);
    //boom menu setup
    bmb = findViewById(R.id.boom);
    imageIDList = new ArrayList<>();
    titleList = new ArrayList<>();
    setInitialData();
    bmb.setButtonEnum(ButtonEnum.Ham);
    bmb.setPiecePlaceEnum(PiecePlaceEnum.DOT_6_1);
    bmb.setButtonPlaceEnum(ButtonPlaceEnum.HAM_6);
    boomPositionGo();
    btnIftar = findViewById(R.id.buttonIftar);
    btnSaheri = findViewById(R.id.buttonSaheri);
    showDate();
    accessData();
    btnIftar.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent intent = new
Intent(AlarmClock.ACTION_SET_ALARM);
            intent.putExtra(AlarmClock.EXTRA_HOUR, 10);
            intent.putExtra(AlarmClock.EXTRA_MINUTES, 20);
            startActivity(intent);
        }
    });
    btnSaheri.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent intent = new
Intent(AlarmClock.ACTION_SET_ALARM);
            intent.putExtra(AlarmClock.EXTRA_HOUR, 10);
            intent.putExtra(AlarmClock.EXTRA_MINUTES, 20);
            startActivity(intent);
        }
    });
}
private void accessData() {
    System.out.println("City
Name:....."+cityName);
}

```

```

        Calendar calender = Calendar.getInstance();
        SimpleDateFormat sdf = new SimpleDateFormat("dd.MM.yyyy");
        String currentDateandTime = sdf.format(new Date());
        System.out.println("Current Time:....." +
currentDateandTime);
        String dayNumber = "" + currentDateandTime.charAt(0) +
currentDateandTime.charAt(1);
        //create the instance of database access class and open
database connection
        DatabaseAccess databaseAccess =
DatabaseAccess.getInstance(getApplicationContext());
        databaseAccess.open();
        String saheri = "";
        String iftar = "";
        String fajar = "";
        String johor = "";
        String asor = "";
        String magrib = "";
        String asha = "";
        String fromDatabaseDayNumber="";
        for (int i = 9; i <= 10; i++) {
            String tt = databaseAccess.getTime(i + "");
            System.out.println("4,4=Output:" + tt);
            fromDatabaseDayNumber = "" + tt.charAt(0)+tt.charAt(1);
            System.out.println("fromdatabaseDayNumber: " +
fromDatabaseDayNumber);
            System.out.println("dayNumber: " + dayNumber);
            if (fromDatabaseDayNumber.compareTo(dayNumber) == 0) {
                System.out.println("yessss i am in...");
                saheri = ""+ tt.charAt(3) + tt.charAt(4) +
tt.charAt(5) + tt.charAt(6) + tt.charAt(7);
                iftar = ""+ tt.charAt(9) + tt.charAt(10) +
tt.charAt(11) + tt.charAt(12) + tt.charAt(13);
                fajar = ""+ tt.charAt(15) + tt.charAt(16) +
tt.charAt(17) + tt.charAt(18) + tt.charAt(19);
                johor = ""+ tt.charAt(21) + tt.charAt(22) +
tt.charAt(23) + tt.charAt(24) + tt.charAt(25);
                asor = ""+ tt.charAt(27) + tt.charAt(28) +
tt.charAt(29) + tt.charAt(30) + tt.charAt(31);
                magrib = ""+ tt.charAt(33) + tt.charAt(34) +
tt.charAt(35) + tt.charAt(36) + tt.charAt(37);
                asha = ""+ tt.charAt(39) + tt.charAt(40) +
tt.charAt(41) + tt.charAt(42) + tt.charAt(43);
                break;
            }
        }
        btnSaheri.setText("Saheri" + "\n" + saheri+" AM");
        btnIftar.setText("Iftar" + "\n" + iftar+" PM");
        tvfajar.setText("Fajar : "+fajar+" AM");
        tvjohor.setText("Johor : "+johor+" PM");

```

```

        tvasor.setText("Asor : "+asor+" PM");
        tvmagrib.setText("Magrib: "+magrib+" PM");
        tvasha.setText("Asha : "+asha+" PM");
        databaseAccess.close();
    }
    private void showDate() {
        TextView tv;
        tv = findViewById(R.id.tvMainActivityDate);
        Calendar calender = Calendar.getInstance();
        //SimpleDateFormat sdf = new
SimpleDateFormat("dd.MM.yyyy");
        String currentDateandTime =
DateFormat.getDateInstance().format(calender.getTime());
        currentDateandTime += '\n' + "DHAKA, BANGLADESH";
        tv.setText(currentDateandTime);
    }
    private void boomPositionGo() {
        for (int i = 0; i < bmb.getPiecePlaceEnum().pieceNumber();
i++) {
            HamButton.Builder builder = new HamButton.Builder()
                .normalImageRes(imageIDList.get(i))
                .normalText(titleList.get(i))
                .subNormalText("Click to watch some magic!")
                .listener(new OnBMClickListener() {
                    @Override
                    public void onBoomButtonClick(int index) {
                        if (index == 0) {
                            Intent intent = new
Intent(MainActivity.this, MonthDetails.class);
                            startActivity(intent);
                        } else if (index == 1) {
                            Intent intent = new
Intent(MainActivity.this, Hadish.class);
                            startActivity(intent);
                        } else if (index == 2) {
                            Intent intent = new
Intent(MainActivity.this, Tosbih.class);
                            startActivity(intent);
                        } else if (index == 3) {
                            Intent intent = new
Intent(MainActivity.this, Article.class);
                            startActivity(intent);
                        } else if (index == 4) {
                            Intent intent = new
Intent(MainActivity.this, Doa.class);
                            startActivity(intent);
                        } else if (index == 5) {
                            Intent intent = new
Intent(MainActivity.this, Share.class);
                            startActivity(intent);

```



```

        }
    }
    });
    bmb.addBuilder(builder);
}
}
private void setInitialData() {
    imageIDList.add(R.drawable.ic_app_of_ramadan_24dp);
    //imageIDList.add(R.drawable.ic_alarm_black_24dp);
    // imageIDList.add(R.drawable.ic_speaker_black_24dp);

imageIDList.add(R.drawable.ic_quranandhadis_collections_bookmark_black_24dp);

imageIDList.add(R.drawable.ic_tosbih_extension_black_24dp);

imageIDList.add(R.drawable.ic_article_insert_drive_file_black_24dp);

imageIDList.add(R.drawable.ic_doa_assignment_turned_in_black_24dp);
;
    imageIDList.add(R.drawable.ic_share_black_24dp);
    // imageIDList.add(R.drawable.ic_send_black_24dp);
    titleList.add("পূর্ণাঙ্গ সূচী");
    //titleList.add("অডিও কুরআন");
    titleList.add("কুরআন ও হাদিস");
    titleList.add("তসবীহ");
    titleList.add("আর্টিকেল ও মাসয়ালা");
    titleList.add("প্রয়োজনীয় দোয়া");
    titleList.add("Share");
    // titleList.add("Send");
}
public void showCity(String name){
    cityName = name;
}
public void showSetting(View view) {
    Intent intent = new Intent(MainActivity.this,
Setting.class);
    startActivity(intent);
}
}
}

```

.....

```

package com.mp.newexternaldatabase;
import android.content.Context;
import com.readystatesoftware.sqliteasset.SQLiteAssetHelper;

```

```

public class DatabaseOpenHelper extends SQLiteOpenHelper {
    private static final String DATABASE_NAME="testData";
    private static final int DATABASE_VERSION=1;
    //    public DatabaseOpenHelper(Context context, String name,
String storageDirectory, SQLiteDatabase.CursorFactory factory, int
version) {
    //        super(context, name, storageDirectory, factory,
version);
    //    }
    public DatabaseOpenHelper(Context context) {
        super(context, DATABASE_NAME , null, DATABASE_VERSION);
    }
}

```

.....

```

package com.mp.newexternaldatabase;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
public class DatabaseAccess {
    private SQLiteOpenHelper openHelper;
    private SQLiteDatabase db;
    private static DatabaseAccess instance;
    Cursor c = null;
    //private constructor so that object creation from outside the
    class is avoided
    private DatabaseAccess(Context context) {
        this.openHelper = new DatabaseOpenHelper(context);
    }
    //to return the single instance of database
    public static DatabaseAccess getInstance(Context context) {
        if (instance == null) {
            instance = new DatabaseAccess(context);
        }
        return instance;
    }
    //to open the database
    public void open() {
        this.db = openHelper.getWritableDatabase();
    }
    //closing the database connection
    public void close() {
        if (db != null) {
            this.db.close();
        }
    }
    //now lets create a method to query and return the result from
    database

```

```

//we will query for address by passing saheri ID
public String getTime(String dateId) {
    String temp="0"+dateId;
    dateId = temp;
    c = db.rawQuery("select * from time where date = '" +
dateId + "'", new String[]{});
    StringBuffer buffer = new StringBuffer();
    while (c.moveToNext()) {
        for (int i = 0; i <= 7; i++) {
            buffer.append(c.getString(i) + ",");
        }
        buffer.append("\n");
    }
    return buffer.toString();
}
/*
String temp = "";
while (c.moveToNext()) {
    for (int i = 0; i <= 7; i++) {
        temp += c.getString(i) + ",";
    }
    temp += "\n";
    //System.out.println("zero....."+c.getString(0));
    //System.out.println("\n\none....."+c.getString(1));
    //System.out.println("\n\ntwo....."+c.getString(2));
    //String time = c.getString(0);
    buffer.append(temp + temp);
}
*/
}
}

```

```

.....

package com.mp.newexternaldatabase.setting;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Spinner;
import android.widget.TextView;
import com.mp.newexternaldatabase.MainActivity;
import com.mp.newexternaldatabase.R;
public class Setting extends AppCompatActivity {
    MainActivity mainActivity = new MainActivity();
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_setting);
        // Button btn;

```

```
//      btn = findViewById(R.id.)
}
public void onClickFindCity(View view) {
    //Get a reference to the TextView
    TextView brands = findViewById(R.id.brands);
    //Get a reference to the Spinner
    Spinner spinnerCity = findViewById(R.id.spinnerCity);
    //Get the selected item in the Spinner
    String cityType =
String.valueOf(spinnerCity.getSelectedItem());
    if(cityType.compareTo("dhaka")==0 |
cityType.compareTo("kushtia")==0){
        mainActivity.showCity(cityType);
        brands.setText(cityType+" selected!");
    }
}
}
```

.....

```
package com.mp.newexternaldatabase.leftbar;

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

import com.mp.newexternaldatabase.R;

public class Article extends AppCompatActivity {

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

```
package com.mp.newexternaldatabase.leftbar;

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

import com.mp.newexternaldatabase.R;

public class Doa extends AppCompatActivity {

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

```

    }
}

package com.mp.newexternaldatabase.leftbar;

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

import com.mp.newexternaldatabase.R;

public class Share extends AppCompatActivity {

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

```

```

package com.mp.newexternaldatabase.leftbar;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

import com.mp.newexternaldatabase.R;

public class Tosbih extends AppCompatActivity {
    int count=0;
    TextView TV;

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

        TV = findViewById(R.id.tvCount);
    }

    public void btntasbih(View view) {
        count++;

        //TV.setText(count);
    }
}

```

.....

```

package com.mp.newexternaldatabase.leftbar;
import android.content.Intent;
import android.provider.AlarmClock;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import com.mp.newexternaldatabase.MainActivity;
import com.mp.newexternaldatabase.R;
import com.mp.newexternaldatabase.hadishAll.FatihaSurah;
import com.mp.newexternaldatabase.hadishAll.FillSurah;
public class Hadish extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_hadish);
    }
    public void btnFateha(View view) {
        Intent intent = new Intent(Hadish.this,
FatihaSurah.class);
        startActivity(intent);
    }
    public void btnFill(View view) {
        Intent intent = new Intent(Hadish.this, FillSurah.class);
        startActivity(intent);
    }
    public void btnKuraish(View view) {
    }
}

```

.....

```

package com.mp.newexternaldatabase.leftbar;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
import com.mp.newexternaldatabase.DatabaseAccess;
import com.mp.newexternaldatabase.R;
public class MonthDetails extends AppCompatActivity {
    TextView tvDate_16;
    TextView tvDate_17;
    TextView tvSaheri_16, tvIftar_16;
    TextView tvSaheri_17, tvIftar_17;
    TextView tvFajor_16, tvJohor_16, tvAsor_16, tvMagrib_16,
tvAsha_16;
    TextView tvFajor_17, tvJohor_17, tvAsor_17, tvMagrib_17,
tvAsha_17;
}

```



```

        } else if (time.charAt(j) == ',' && index ==
3) {
            tvFajor_16.setText("Fajar:"+temp);
        } else if (time.charAt(j) == ',' && index ==
4) {
            tvJohor_16.setText("Johor:"+temp);
        } else if (time.charAt(j) == ',' && index ==
5) {
            tvAsor_16.setText("Asor:"+temp);
        } else if (time.charAt(j) == ',' && index ==
6) {
            tvMagrib_16.setText("Mag"+temp);
        } else if (time.charAt(j) == ',' && index ==
7) {
            tvAsha_16.setText("Asha:"+temp);
        } if (time.charAt(j) == ','){
            temp = "";
        }
        //tvDate_16.setText("");
    }
    //tvResult.setText(temp);
} else if (i == 10) {
    String time = databaseAccess.getTime(i + "");
    System.out.println("5=Output:....."+time);
    String temp = "";
    int index = -1;
    for (int j = 0; j < time.length(); j++) {
        if (time.charAt(j) != ',') {
            temp += time.charAt(j);
        } else if (time.charAt(j) == ',') {
            index++;
        }
        if (time.charAt(j) == ',' && index == 0) {
            tvDate_17.setText("Date"+temp);
        } else if (time.charAt(j) == ',' && index ==
1) {
            tvSaheri_17.setText("Saheri:"+temp);
        } else if (time.charAt(j) == ',' && index ==
2) {
            tvIftar_17.setText("Iftar:"+temp);
        } else if (time.charAt(j) == ',' && index ==
3) {
            tvFajor_17.setText("Fajar:"+temp);
        } else if (time.charAt(j) == ',' && index ==
4) {
            tvJohor_17.setText("Johor:"+temp);
        } else if (time.charAt(j) == ',' && index ==
5) {
            tvAsor_17.setText("Asor:"+temp);

```



```

        } else if (time.charAt(j) == ',' && index ==
6) {
            tvMagrib_17.setText("Mag:"+temp);
        } else if (time.charAt(j) == ',' && index ==
7) {
            tvAsha_17.setText("Asha"+temp);
        } if(time.charAt(j) == ','){
            temp = "";
        }
        //tvDate_16.setText("");
    }
}
}
}
databaseAccess.close();
}
}

```

```

.....

package com.mp.newexternaldatabase.hadishAll;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.Button;
import android.widget.TextView;
import com.mp.newexternaldatabase.R;
public class FatihaSurah extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_fatiha_surah);
        TextView btFateha;
        btFateha = findViewById(R.id.fatehaShow);
        String fateha = "শুরু করছি আল্লাহর নামে যিনি পরম করুণাময়, অতি দয়ালু।"+
            "যাবতীয় প্রশংসা আল্লাহ তা'আলার যিনি সকল সৃষ্টি জগতের পালনকর্তা।"+
            "যিনি নিত্যন্ত মেহেরবান ও দয়ালু।"+
            "যিনি বিচার দিনের মালিক।"+
            "আমরা একমাত্র তোমারই ইবাদত করি এবং শুধুমাত্র তোমারই সাহায্য প্রার্থনা
করি।"+
            "আমাদেরকে সরল পথ দেখাও,"+
            "সে সমস্ত লোকের পথ, যাদেরকে তুমি নেয়ামত দান করেছ। তাদের পথ নয়,"+
            "যাদের প্রতি তোমার গজব নাযিল হয়েছে এবং যারা পথভ্রষ্ট হয়েছে।";
        btFateha.setText(fateha);
    }
}

```

```

.....

package com.mp.newexternaldatabase.hadishAll;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
import com.mp.newexternaldatabase.R;
public class FillSurah extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_fill_surah);
        TextView btFill;
        btFill = findViewById(R.id.fillShow);
        String fill = "আপনি কি দেখেননি আপনার পালনকর্তা হস্তীবাহিনীর সাথে বিরূপ ব্যবহার
করেছেন?" +
            "তিনি কি তাদের চক্রান্ত নস্যাৎ করে দেননি?" +
            "তিনি তাদের উপর প্রেরণ করেছেন ঝাঁকে ঝাঁকে পাখী, " +
            "যারা তাদের উপর পাথরের কংকর নিক্ষেপ করছিল।" +
            "অতঃপর তিনি তাদেরকে ভক্ষিত তৃণসদৃশ করে দেন।";
        btFill.setText(fill);
    }
}

```

```

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

```

```

<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
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"
tools:context=".hadishAll.FatihaSurah">
    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <TextView
            android:id="@+id/fatehaShow"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:text="gfg"

```

```
android:textAppearance="@style/TextAppearance.AppCompat.Large"/>
    </ScrollView>
</LinearLayout>
```

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

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    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"
    tools:context=".hadishAll.FillSurah">
    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <TextView
            android:id="@+id/fillShow"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:text="gfg"
```

```
android:textAppearance="@style/TextAppearance.AppCompat.Large"/>
    </ScrollView>
</LinearLayout>
```

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

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    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:orientation="vertical"
    tools:context=".leftbar.Hadish">
    <Button
        android:id="@+id/btnFateha"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textColor="@color/colorPink"
```

```

        android:background="@color/colorWhite"
        android:text="@string/fateha"
        android:onClick="btnFateha"/>
<Button
    android:id="@+id/btnFil"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:textColor="@color/colorPink"
    android:background="@color/colorWhite"
    android:text="@string/fill"
    android:onClick="btnFill"/>
<Button
    android:id="@+id/btnKuraish"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:textColor="@color/colorPink"
    android:background="@color/colorWhite"
    android:text="@string/kuraish"
    android:onClick="btnKuraish"/>
</LinearLayout>

```

```

.....
.....

```

```

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

```

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
android"
    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"
    tools:context=".MainActivity">
    <ImageView
        android:id="@+id/imMosque"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/mosque"/>
    <TextView
        android:id="@+id/tvMainActivityDate"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentRight="true"
        android:layout_marginTop="20dp"

```

```

        android:text="cdfdfdf"

        android:textAppearance="@style/TextAppearance.AppCompat.Large"
        android:textColor="@color/colorPrimary" />
    <TextView
        android:id="@+id/tvRemainTimeSaheriIftar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/imMosque"
        android:layout_centerHorizontal="true"
        android:textColor="@color/colorPrimary"
        android:text="Today schedule"
        android:layout_marginTop="20dp"
        android:textSize="20dp" />
    <TextView
        android:id="@+id/tvMainFajar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/tvRemainTimeSaheriIftar"
        android:text="fajar"
        android:textColor="@color/colorPrimary"
        android:textSize="20dp"
        android:layout_marginTop="10dp"/>
    <TextView
        android:id="@+id/tvMainJohor"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/tvMainFajar"
        android:layout_alignRight="@+id/tvMainFajar"
        android:text="johor"
        android:textColor="@color/colorPrimary"
        android:textSize="20dp" />
    <TextView
        android:id="@+id/tvMainAsor"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/tvMainJohor"
        android:layout_alignRight="@+id/tvMainFajar"
        android:text="asor"
        android:textColor="@color/colorPrimary"
        android:textSize="20dp" />
    <TextView
        android:id="@+id/tvMainMagrib"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/tvMainAsor"
        android:layout_alignRight="@+id/tvMainFajar"
        android:text="magrib"
        android:textColor="@color/colorPrimary"
        android:textSize="20dp" />

```

```

<TextView
    android:id="@+id/tvMainAsha"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/tvMainMagrib"
    android:layout_alignRight="@+id/tvMainFajar"
    android:text="asha"
    android:textColor="@color/colorPrimary"
    android:textSize="20dp" />
<Button
    android:id="@+id/buttonIftar"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="99dp"
    android:padding="50dp"
    android:text="Saheri" />
<Button
    android:id="@+id/buttonSaheri"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBaseline="@+id/buttonIftar"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:padding="50dp"
    android:text="Iftar" />
<RelativeLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true">
    <com.nightonke.boommenu.BoomMenuButton
        android:id="@+id/boom"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentRight="true" />
</RelativeLayout>
<ImageView
    android:id="@+id/imgSetting"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:src="@drawable/setting"
    android:layout_alignParentBottom="true"
    android:onClick="showSetting"/>
</RelativeLayout>

```

.....
.....

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

```
<LinearLayout
```

```
xmlns:android="http://schemas.android.com/apk/res/android"
```

```
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:orientation="vertical"
```

```
tools:context=".leftbar.MonthDetails">
```

```
<LinearLayout
```

```
android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
```

```
android:orientation="horizontal">
```

```
<LinearLayout
```

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:orientation="vertical">
```

```
<Button
```

```
android:id="@+id/tvDate_16"
```

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:text="kkkkkkfk"
```

```
android:layout_gravity="center"
```

```
android:background="@color/colorFirst"/>
```

```
<Button
```

```
android:id="@+id/tvSaheri_16"
```

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:text="kkkkkkkk"
```

```
android:layout_gravity="center"
```

```
android:background="@color/colorSecond"/>
```

```
<Button
```

```
android:id="@+id/tvIftar_16"
```

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:text="kkkkkkkk"
```

```
android:layout_gravity="center"
```

```
android:background="@color/colorSecond"/>
```

```
</LinearLayout>
```

```
<LinearLayout
```

```
android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
```

```
android:orientation="vertical"
```

```
android:background="@color/colorThird">
```

```

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <Button
        android:id="@+id/tvFajor_16"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:layout_gravity="center"
        android:layout_marginLeft="5dp" />
    <Button
        android:id="@+id/tvJohor_16"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:layout_gravity="center"
        android:layout_marginLeft="5dp" />
    <Button
        android:id="@+id/tvAsor_16"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:layout_gravity="center"
        android:layout_marginLeft="5dp" />
</LinearLayout>
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <Button
        android:id="@+id/tvMagrib_16"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:layout_gravity="center"
        android:layout_marginLeft="5dp"/>
    <Button
        android:id="@+id/tvAsha_16"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:layout_gravity="center"
        android:layout_marginLeft="5dp"/>
</LinearLayout>
</LinearLayout>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"

```



```

android:orientation="horizontal">
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <Button
        android:id="@+id/tvDate_17"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="kkkkkkfk"
        android:layout_gravity="center"
        android:background="@color/colorFirst"/>
    <Button
        android:id="@+id/tvSaheri_17"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="kkkkkkkk"
        android:layout_gravity="center"
        android:background="@color/colorSecond"/>
    <Button
        android:id="@+id/tvIftar_17"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="kkkkkkkk"
        android:layout_gravity="center"
        android:background="@color/colorSecond"/>
</LinearLayout>
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    android:background="@color/colorThird">
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <Button
            android:id="@+id/tvFajor_17"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text=""
            android:layout_gravity="center"
            android:layout_marginLeft="5dp" />
        <Button
            android:id="@+id/tvJohor_17"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text=""
            android:layout_gravity="center"
            android:layout_marginLeft="5dp" />
    </LinearLayout>
</LinearLayout>

```

```

        <Button
            android:id="@+id/tvAsor_17"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text=""
            android:layout_gravity="center"
            android:layout_marginLeft="5dp" />
    </LinearLayout>
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <Button
            android:id="@+id/tvMagrib_17"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text=""
            android:layout_gravity="center"
            android:layout_marginLeft="5dp"/>
        <Button
            android:id="@+id/tvAsha_17"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text=""
            android:layout_gravity="center"
            android:layout_marginLeft="5dp"/>
    </LinearLayout>
</LinearLayout>
</LinearLayout>
</LinearLayout>

```

```

.....
.....

```

```

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

```

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
android"
    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"
    tools:context=".setting.Setting">
    <Button

```

```

        android:id="@+id/find_beer"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/spinnerCity"
        android:layout_alignLeft="@+id/spinnerCity"
        android:onClick="onClickFindCity"
        android:text="@string/find_city" />
<Spinner
    android:id="@+id/spinnerCity"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="37dp"
    android:entries="@array/city_names" />
<TextView
    android:id="@+id/brands"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/find_beer"
    android:layout_alignLeft="@+id/find_beer"
    android:layout_marginTop="18dp"
    android:text="@string/showArea" />
</RelativeLayout>

```

```

.....
.....

```

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

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/
android"
    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"
    tools:context=".leftbar.Tosbih">
    <Button
        android:id="@+id/tvTasbih"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Count"
        android:onClick="btntasbih"
        android:layout_marginTop="20dp"
        android:layout_alignParentBottom="true" />
    <TextView

```

```
        android:id="@+id/tvCount"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"

        android:textAppearance="@style/TextAppearance.AppCompat.Large"
        android:text="count" />
</RelativeLayout>
```

```
.....
.....
```

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

```
<resources>
    <color name="colorPrimary">#008577</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>
    <color name="colorFirst">#7cc3f8</color>
    <color name="colorSecond">#c8ecfe</color>
    <color name="colorThird">#c8d0fe</color>
    <color name="colorFourth">#66CCFF</color>
    <color name="colorPink">#6638e2</color>
    <color name="colorWhite">#ffffff</color>
</resources>
```

```
.....
.....
```

```
<resources>

    <string name="app_name">App of Ramadan</string>
    <string name="fateha">সূরা আল ফাতিহা</string>
    <string name="fill">সূরা ফীল </string>
```

```
<string name="kuraish">সূরা কুরাইশ</string>
<string name="find_city">find City</string>
<string name="showArea">not selected!</string>
<string-array name="city_names">
    <item>dhaka</item>
    <item>kushtia</item>
</string-array>
</resources>
```

```
////////////////////////////////////
////////////////////////////////////
```

```
<resources>

    <!-- Base application theme. -->
    <style name="AppTheme"
parent="Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item
name="colorPrimaryDark">@color/colorPrimaryDark</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>
</resources>
```

```
////////////////////////////////////
,
```