

UE19CS257A - Android Project Review #1

Project Title : BLOOD DONATION APP

Project ID : 26

Project Team:	Chandrabhas L G	PES2UG19CS096
	Chintamani Bhat	PES2UG19CS099
	Koushik P L	PES2UG19CS193
	Kiran B S	PES2UG19CS186

Outline

- Problem Statement
- Scope and Feasibility study
- Modules
- Demo/Screenshot

Problem Statement

Develop a blood donation app through which Donor can donate blood and also recipients can receive their required blood group.

Scope and Feasibility study

The project also has a login page where in the user is required to register and only then can view the availability of blood and may also register to donate blood if he/she wishes to. This project requires internet access and thus there is a disadvantage of internet failure. Thus, this application helps to select the right donor online instantly using medical details along with the blood group. The main aim of developing this application is to reduce the time to a great extent that is spent in searching for the right donor and the availability of blood

required. Thus, this application provides the required information in no time and also helps in quicker decision making.

Modules

User login: This allows only the registered users to login in order to use this location tracking application.

Donor details: This module helps the donor to insert all the necessary details that is personal information and medical information plus the blood group which together helps to select a donor.

Procurer details: The android mobile user can view all the donor details and select the required donor based on the donor's information.

Front End: Android Sdk

Backend: Firebase

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30

Project
BLOOD_BANK_PROJ
├── .gradle
├── .idea
├── app
│ ├── gradle
│ ├── .gitignore
│ ├── yml_config.yml
│ ├── bloodbank1.png
│ ├── bloodbank2.png
│ ├── bloodbank3.png
│ ├── bloodbank4.png
│ ├── bloodbank5.png
│ ├── bloodbank6.png
│ ├── build.gradle
│ ├── CODE_OF_CONDUCT.md
│ ├── CONTRIBUTING.md
│ ├── gradle.properties
│ ├── gradlew
│ ├── gradlew.bat
│ ├── LICENSE
│ ├── local.properties
│ ├── README.md
│ ├── Screenshot from
│ ├── Screenshot from
│ ├── Screenshot from
│ ├── SECURITY.md
│ ├── settings.gradle
│ ├── spalsh.png
└── External Libraries
 └── Scratches and Console

Files under the "build" folder are generated and should not be edited.

```
1  package com.android.iunoob.bloodbank;
2
3
4
5
6  public final class BuildConfig {
7      public static final boolean DEBUG = Boolean.parseBoolean(DEBUG_VALUE);
8      public static final String APPLICATION_ID = "com.android.iunoob.bloodbank";
9      public static final String BUILD_TYPE = "debug";
10     public static final String FLAVOR = "";
11     public static final int VERSION_CODE = 1;
12     public static final String VERSION_NAME = "1.0";
13 }
14
```

Success
Operation succeeded (moments ago)

Event Log Layout Inspector
1:1 LF UTF-8 2 spaces*

Device File Explorer
Emulator

Success
Operation succeeded (moments ago)

15:30
30-04-2021

Type here to search

Blood Point
Donate Blood, Save Life

Android Studio interface showing the development of an Android application named "BLOOD_BANK_PROJECT - Copy". The main editor displays the `BuildConfig.java` file, which contains the following code:

```
1  package com.android.iunoob.bloodbank;
2
3  public final class BuildConfig {
4      public static final boolean DEBUG = Boolean.parseBoolean("true");
5      public static final String APPLICATION_ID = "com.android.iunoob.bloodbank";
6      public static final String BUILD_TYPE = "debug";
7      public static final String FLAVOR = "";
8      public static final int VERSION_CODE = 1;
9      public static final String VERSION_NAME = "1.0";
10 }
11
```

The interface also shows a virtual device (Nexus 5X API 30) displaying the application's "Sign in" screen. The screen features a red background, a white blood drop icon with a red cross, and input fields for "Email" and "Password". Below the input fields are buttons for "Sign in", "Create an account", and "Forgot password?".

The bottom status bar indicates the application is running successfully: "Success: Operation succeeded (moments ago)".

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30 Git

Project
BLOOD_BANK_PROJECT
├── .gradle
├── .idea
├── app
│ ├── gradle
│ ├── gitignore
│ ├── _config.yml
│ ├── bloodbank1.png
│ ├── bloodbank2.png
│ ├── bloodbank3.png
│ ├── bloodbank4.png
│ ├── bloodbank5.png
│ ├── bloodbank6.png
│ ├── build.gradle
│ ├── CODE_OF_CONDUCT.md
│ ├── CONTRIBUTING.md
│ ├── gradle.properties
│ ├── gradlew
│ ├── gradlew.bat
│ ├── LICENSE
│ ├── local.properties
│ ├── README.md
│ ├── Screenshot from
│ ├── Screenshot from
│ ├── Screenshot from
│ ├── SECURITY.md
│ ├── settings.gradle
│ ├── spalsh.png
└── External Libraries
Scratches and Console

Files under the "build" folder are generated and should not be edited.

```
1 1  
4 package com.android.iunoob.bloodbank;  
5  
6 public final class BuildConfig {  
7     public static final boolean DEBUG = Boolean.  
8     public static final String APPLICATION_ID =  
9     public static final String BUILD_TYPE = "debu  
10    public static final String FLAVOR = "";  
11    public static final int VERSION_CODE = 1;  
12    public static final String VERSION_NAME = "1  
13  
14 }
```

chandrahas
chandrahas@gmail.com

Home
Profile
Achievements
Find Blood Donor
Find nearest Hospitals
Log out

Plugin Update Recommended
Android Gradle Plugin is ready to update.

Event Log Layout Inspector
1:1 LF UTF-8 2 spaces* ENG 15:20 30-04-2021

Success: Operation succeeded (8 minutes ago)

Type here to search

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30 Git

1: Project
Commit
Resource Manager
Build Variants
2: Favorites
3: Structure

BLOOD_BANK_PROJECT
gradle
idea
app
gradle
gitignore
yaml_config.yml
bloodbank1.png
bloodbank2.png
bloodbank3.png
bloodbank4.png
bloodbank5.png
bloodbank6.png
build.gradle
CODE_OF_CONDUCT.md
CONTRIBUTING.md
gradle.properties
gradlew
gradlew.bat
LICENSE
local.properties
README.md
Screenshot from
Screenshot from
Screenshot from
SECURITY.md
settings.gradle
spalsh.png
External Libraries
Scratches and Console

Files under the "build" folder are generated and should not be edited.

```
1 1  
2 2  
3 3  
4 package com.android.iunoob.bloodbank;  
5  
6 public final class BuildConfig {  
7     public static final boolean DEBUG = Boolean.  
8     public static final String APPLICATION_ID =  
9     public static final String BUILD_TYPE = "debu  
10    public static final String FLAVOR = "";  
11    public static final int VERSION_CODE = 1;  
12    public static final String VERSION_NAME = "1  
13 }  
14
```

3:20
Profile
Name: chandrahas
Sex: Male
Blood Group: O+
Contact No: 918971896987
Address: kpc colony kadra
Division: Rangpur
☒ Unmark this to leave from donors
Update Profile

Device File Explorer
Emulator

1 Plugin Update Recommended
Android Gradle Plugin is ready to update.

2 Event Log
Layout Inspector
1:1 LF UTF-8 2 spaces* 15:20 30-04-2021

TODO Git Terminal Build Database Inspector Profiler Run Logcat
Success: Operation succeeded (8 minutes ago)

Type here to search

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30 Git

AndroidManifest.xml BuildConfig.java

Files under the "build" folder are generated and should not be edited.

```
1  ../../
4  package com.android.iunoob.bloodbank;
5
6  public final class BuildConfig {
7      public static final boolean DEBUG = Boolean.FALSE;
8      public static final String APPLICATION_ID = "com.android.iunoob.bloodbank";
9      public static final String BUILD_TYPE = "debug";
10     public static final String FLAVOR = "";
11     public static final int VERSION_CODE = 1;
12     public static final String VERSION_NAME = "1.0.0";
13 }
14
```

Project Structure:

- BLOOD_BANK_PROJECT
- .gradle
- .idea
- app
- gradle
- .gitignore
- bloodbank1.png
- bloodbank2.png
- bloodbank3.png
- bloodbank4.png
- bloodbank5.png
- bloodbank6.png
- build.gradle
- CODE_OF_CONDUCT.md
- CONTRIBUTING.md
- gradle.properties
- gradlew
- gradlew.bat
- LICENSE
- local.properties
- README.md
- Screenshot from
- SECURITY.md
- settings.gradle
- spalsh.png
- External Libraries
- Scratches and Console

Device View:

Achievements

Have you donated today?

YES NO

Total Donated: 0 times

Last donated: Do not donate yet!

Plugin Update Recommended

Android Gradle Plugin is ready to update.

Event Log

Layout Inspector

1:1 LF UTF-8 2 spaces*

15:20 30-04-2021

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30 Git

1: Project
Commit
Resource Manager
Build Variants

BLOOD_BANK_PROJ
├── .gradle
├── .idea
├── app
├── gradle
├── .gitignore
├── .yml_config.yml
├── bloodbank1.png
├── bloodbank2.png
├── bloodbank3.png
├── bloodbank4.png
├── bloodbank5.png
├── bloodbank6.png
├── build.gradle
├── CODE_OF_CONDUCT.md
├── CONTRIBUTING.md
├── gradle.properties
├── gradlew
├── gradlew.bat
├── LICENSE
├── local.properties
├── README.md
├── Screenshot from 2021-04-30 15:20:00.png
├── Screenshot from 2021-04-30 15:20:00.png
├── Screenshot from 2021-04-30 15:20:00.png
├── SECURITY.md
├── settings.gradle
├── spalsh.png
└── External Libraries

Files under the "build" folder are generated and should not be edited.

```
1 1  
2 2  
3 3  
4 package com.android.iunoob.bloodbank;  
5  
6 public final class BuildConfig {  
7     public static final boolean DEBUG = Boolean.  
8     public static final String APPLICATION_ID =  
9     public static final String BUILD_TYPE = "debu  
10    public static final String FLAVOR = "";  
11    public static final int VERSION_CODE = 1;  
12    public static final String VERSION_NAME = "1  
13 }  
14
```

Achievements

Next donation available in:

120 days

Total Donated: 1 times

Last donated: 30/4/2021

Plugin Update Recommended
Android Gradle Plugin is ready to update.

Event Log
Layout Inspector

1:1 LF UTF-8 2 spaces* ENG 15:20 30-04-2021

Success: Operation succeeded (8 minutes ago)

Type here to search

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30 Git

1: Project
Commit
Resource Manager
Build Variants

BLOOD_BANK_PROJ
├── .gradle
├── .idea
├── app
├── gradle
├── .gitignore
├── .yml_config.yml
├── bloodbank1.png
├── bloodbank2.png
├── bloodbank3.png
├── bloodbank4.png
├── bloodbank5.png
├── bloodbank6.png
├── build.gradle
├── CODE_OF_CONDUCT.md
├── CONTRIBUTING.md
├── gradle.properties
├── gradlew
├── gradlew.bat
├── LICENSE
├── local.properties
├── README.md
├── Screenshot from 2021-04-30 15:20:00.png
├── Screenshot from 2021-04-30 15:20:00.png
├── Screenshot from 2021-04-30 15:20:00.png
├── SECURITY.md
├── settings.gradle
├── spalsh.png
└── External Libraries

Files under the "build" folder are generated and should not be edited.

```
1 1  
2 2  
3 3  
4 package com.android.iunoob.bloodbank;  
5  
6 public final class BuildConfig {  
7     public static final boolean DEBUG = Boolean.  
8     public static final String APPLICATION_ID =  
9     public static final String BUILD_TYPE = "debu  
10    public static final String FLAVOR = "";  
11    public static final int VERSION_CODE = 1;  
12    public static final String VERSION_NAME = "1  
13 }  
14
```

Find Blood Donor

Choose Blood Group: A+
Choose your Division: Barisal
SEARCH

Plugin Update Recommended
Android Gradle Plugin is ready to update.

Event Log
Layout Inspector

1:1 LF UTF-8 2 spaces*
15:20
30-04-2021

Success: Operation succeeded (8 minutes ago)

Type here to search

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30 Git

1: Project
2: Favorites
3: Structure
4: Build Variants

Commit
Resource Manager

Files under the "build" folder are generated and should not be edited.

```
1  ../../
4  package com.android.iunoob.bloodbank;
5
6  public final class BuildConfig {
7      public static final boolean DEBUG = Boolean.FALSE;
8      public static final String APPLICATION_ID = "com.android.iunoob.bloodbank";
9      public static final String BUILD_TYPE = "debug";
10     public static final String FLAVOR = "";
11     public static final int VERSION_CODE = 1;
12     public static final String VERSION_NAME = "1.0";
13 }
14
```

BuildConfig.java

AndroidManifest.xml

BuildConfig

app

Nexus 5X API 30

Git

Gradle

Device File Explorer

Emulator

Plugin Update Recommended
Android Gradle Plugin is ready to update.

Event Log
Layout Inspector

1:1 LF UTF-8 2 spaces*

15:20
30-04-2021

Success: Operation succeeded (8 minutes ago)

Type here to search

Find Blood Donor

Choose Blood Group: A+

Choose your Division: Barisal

SEARCH

Name: M Salman Sunny
Contact: sunny.msalmant16@gmail.com
Address: karor
Total Donation: 1 times
Last Donation: 22/1/2021

Name: Tanish
Contact: +919501979659
Address: 2229
Total Donation: 1 times
Last Donation: 28/4/2021

Name: Peanny Elviana
Contact: +60162045140
Address: Sabah
Total Donation: 1 times
Last Donation: 6/4/2021

Name: abcd
Contact: +91090078601
Address: dhudhiwsala
Total Donation: 0 times

+

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help BLOOD_BANK_PROJECT - Copy - BuildConfig.java [BLOOD_BANK_PROJECT_-_Copy.app] - Android Studio

T - Copy app build generated source buildConfig debug com android iunoob bloodbank BuildConfig app Nexus 5X API 30 Git

AndroidManifest.xml BuildConfig.java

Files under the "build" folder are generated and should not be edited.

```
1 1
2 2
3 3
4 package com.android.iunoob.bloodbank;
5
6 public final class BuildConfig {
7     public static final boolean DEBUG = Boolean.FALSE;
8     public static final String APPLICATION_ID = "com.android.iunoob.bloodbank";
9     public static final String BUILD_TYPE = "debug";
10    public static final String FLAVOR = "";
11    public static final int VERSION_CODE = 1;
12    public static final String VERSION_NAME = "1.0";
13 }
14
```

Project Structure:

- BLOOD_BANK_PROJECT
- .gradle
- .idea
- app
- gradle
- .gitignore
- YML_config.yml
- bloodbank1.png
- bloodbank2.png
- bloodbank3.png
- bloodbank4.png
- bloodbank5.png
- bloodbank6.png
- build.gradle
- CODE_OF_CONDUCT.md
- CONTRIBUTING.md
- gradle.properties
- gradlew
- gradlew.bat
- LICENSE
- local.properties
- README.md
- Screenshot from
- Screenshot from
- Screenshot from
- SECURITY.md
- settings.gradle
- spalsh.png
- External Libraries
- Scratches and Console

Device: Nexus 5X API 30

Nearest hospitals

Shoreline Golf Links

Kite Lot

Shoreline Amphitheatre

Dog Park

Parking Lot C

Googleplex

Charleston Park

Starbucks

Century Cinema 16

VTA

Google

Plugin Update Recommended

Android Gradle Plugin is ready to update.

Event Log

Layout Inspector

1:1 LF UTF-8 2 spaces*

15:23

30-04-2021

Applications

Applications:

- This application can be used by any common people.
- The application can prove very beneficial in to the clinics, hospitals as the requirement is very high in such places.

Thank You