**Project Report**

**Date:14th January,2017**

**Week 1**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

We learned and understood the concept of List View which would be helpful in our app development. List View is a group that displays a list of Scrollable items. Android provides several subclasses of Adapter that are useful for retrieving different kinds of data and building views of an AdapterView.

Basic syntax of ArrayAdapter:

ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,android.R.layout.simple\_list\_1,myStringArray);

**Group Members:**

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| 3 | Vikram Gupta |  |
| 4 | Kamlesh Verma |  |

(Mr. Kamlesh Tripathi)

**Project Report**

**Date:16th January,2017**

**Week 2**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

We learned and understood the concept of Grid View. Grid View is a View group that displays the items in a two-dimensional, scrollable grid.

Basic method to create a Grid View:

<GridView

android:id=”@+id/gv”;

android:layout\_width=”match\_parent”;

android:layout\_height=”wrap\_content”;>

</GridView>

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(Mr. Kamlesh Tripathi)

**Project Report**

**Date:21th January,2017**

**Week 3**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status:** Under Development

**Report :**

We learned and understood the concept of Shared Preferences. This would be helpful in implementing our projects some of the main layouts i.e. Login page, Signup page, Chatting Page, Password selection page etc. Android supports the following ways of storing data in local file: Files, Shared Preferences and SQLite. If the app creates an SQLite Database this database is saved in the main application directory under the database folder.

Android: installLocation to preferExternal or Auto.

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(Mr. Kamlesh Tripathi)

**Project Report**

**Date:23rd January,2017**

**Week 4**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

We started creating the basic layout of the Application by using Android Studios and by downloading and installing all the SDKs in the system. We created the layout of the LOGIN Page that was going to be the first of our page in the application. We created this XML file by adding some TextViews , EditText and Buttons. Then we improved the view of the page by adding some background color and also by changing the name of the default title bar that was given by the Android studio when we first created the application.

We the debugged the page to an android mobile to see that it was successfully working.

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| 4 | Kamlesh Verma |  |

(Mr. Kamlesh Tripathi)

**Project Report**

**Date:**

**Week 5**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

We created Login page last week and added XML file by adding some TextViews , EditText and Buttons within it. This week we were preparing the signup page and we added the EditTexts for getting users Name, Email\_ID, Password. Then we improvised the Layout by making it look like the desired theme that we were using in our project so far. We also added a TextView so that an already existing user can go straight to login page and directly login, that is to say it works an link between the login and signup pages.

We Debugged the app on our Mobile devices and it was working without any lag & error.

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(Mr. Kamlesh Tripathi)

**Project Report**

**Date:**

**Week 6**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

We have already created the android activities for user login and user signup and created java file for those activities so that they can even pass data and store it into your internal storage using shared preference. For this week we created a FM Radio interface as in for a disguise, this will give misconception to the people other than legit user and make them think this is a FM Radio App and not a chatting app itself. This will give user some advantages like **hiding their personal chats** form others and giving them a **hassle free quick signin method**.

So for this week we join previous weeks work and this week’s FM Radio interface.

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(Mr. Kamlesh Tripathi)

**Project Report**

**Date:**

**Week 7**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

For this week we created the home activity for our project.

We created the main screen where all the available user for chatting will be visible, by using ListView for showing user and Menu for giving user an option for logging out from the app. Also used one float button that will go to new activity where user can search the new users for chatting and also view their profile and its detail.

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(Mr. Kamlesh Tripathi)

**Project Report**

**Date:**

**Week 8**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

We created the home activity for our project and now we are adding a main chatting screen as in chatting room where users can chat with each other. By adding two xml that are chatMe & chatOther where user’s message will be displayed in a bubble made up of EditText.

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(Mr. Kamlesh Tripathi)

**Project Report**

**Date:**

**Week 9**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

For this week, we searched information regarding online database as we need an online database to store our data, chats and other details of user.

We found out that that there are many ways to create Back-End database for our app using MySQL, PHP, NodeJS and many others. The best way out there for our application was Firebase. Firebase provides us with their own codes, that when added in our application it can interact with their online database without any dilemma. Thus for this week we gathered all sorts of information regarding Firebase and how it can be integrated with our application.

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(Mr. Kamlesh Tripathi)

**Project Report**

**Date:**

**Week 10**

* **Project Name**: Secured Chat Application (FM Radio)
* **Type**: Android Application
* **Guide**: Mr. Kamlesh Tripathi
* **Status**: Under Development

**Report :**

After gathering all Information we needed for implementing Firebase within our project, we started integrating Firebase with our App.

Firebase gave us many libraries that we needed to store our data, for user’s authorization, app’s analytics, crash reporting and many more libraries.

Till date our project is going as planned and we hope to finish it in next 1~3 weeks.

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