

SOFTWARE ENGINEERING PROJECT

Group Name : VAI-BROTHERS

Group members :

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Project name: Bluetooth chat app

Bluetooth Chat App

Vision: Our targeted product of making a mobile application is “Bluetooth chat app” which is develop in mobile application. Bluetooth is a wireless technology standard for exchanging data over short distances (using short-wavelength UHF radio waves in the ISM band from 2.4 to 2.485 GHz) from fixed and mobile devices, and building personal area networks (PANs). According to this, we can "build" a local area network (LAN) by connecting devices over Bluetooth. The Android platform includes support for the Bluetooth network stack, which allows a device to wirelessly exchange data with other Bluetooth devices. The application framework provides access to the Bluetooth functionality through the Android Bluetooth APIs. These APIs let applications wirelessly connect to other Bluetooth devices, enabling point-to-point and multipoint wireless features so we absolutely able to transferring data to other devices in the network circle. we are going to

make it happen .

So again This are the key point of the vision to making this Bluetooth chat app :

NO INTERNET : our target purpose is to create an application that does not need help of internet or cellular charges for being able to communicate within a given range

FREE PROGRAMME : Our target customers currently are students and under adults who can use his programme for free even if they don't have the facility of internet

INSTANT SHARING : The application consists of a system that allows instant sharing of images and music etc other media files within the given range . In fact our application itself can be shared by Bluetooth to any user who hasn't downloaded the app yet

Software architecture: The language/tools that we may will apply here in our project are given below

project Platform : Android

Programming Language : Java, Xml

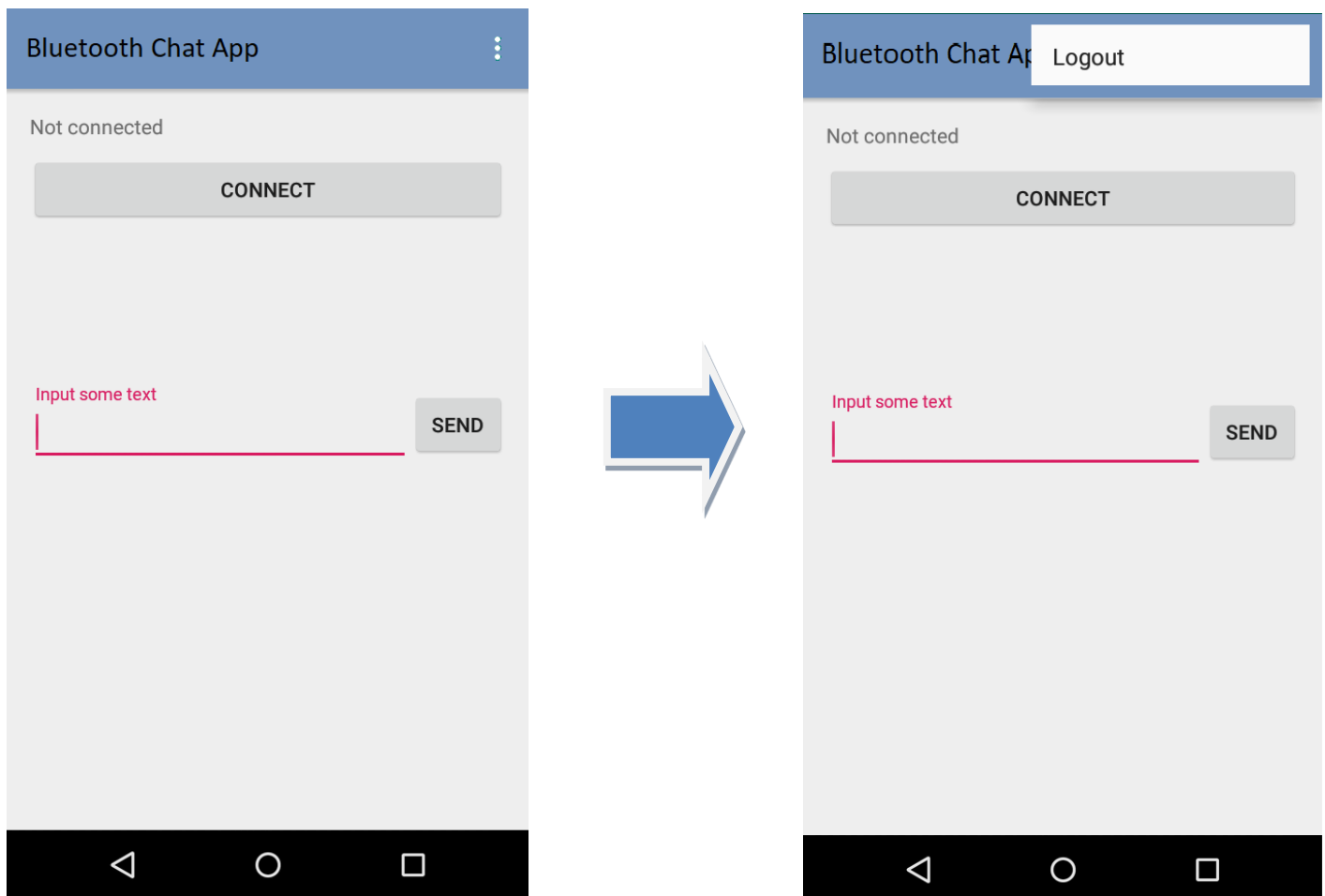
Toolkits : JDK

IDE Tool : Android Studio

Database : SQLite Database

project Type : mobile Application

Software structure: The key structure of our programmed software is like this –



Challenge and risks:

This is our first attempt to make a mobile application. So it is going to be really tough and challenging. Initially the main challenge is to select the goal of our project and to make it more valuable and worthy. Each step of this project takes requires patience. Doing 'code' and making sure that it runs perfectly will be the most critical part of this successful project of us.

It is not an easy task to complete it flawlessly. If the code is done imperfect anyhow then it is quite impossible to finish the work.

Main challenges are :

- One of the biggest challenges is that currently thousands of incredible chatting applications already exist in the market. Topping them over to get recognition will be a difficult milestone to achieve
- Execution without sponsorship is another difficulty in case of the need of any advertisement or financial support

Main Risks are :

- The range durability is our first fear. This application will deeply be affected by the quality of a user's mobile phone.

- We are still preparing a security system for the application to defend itself from Bluetooth transmitted viruses .

Our Prospects :

1. An attractive interface
2. Developing the coding for unique delivery
3. Improving compared to other chat apps
4. Utilizing the effort for a recognition in a broader field

Thanks to our honorable teacher and our team members for working hard and trying their level best for this project.

THANK YOU