Project overview

Introduction
In recent years, the emergence of Android Operating System has brought Smartphone users a brand new experience of using mobile phones and has changed the mobile phone market entirely. The app market is also thriving due to the widespread usage of Android. The app not only provided us with games and gadgets to play with, but also changed the way we communicate. Despite existing functions such as sending messages, we can now send images and sound easily through apps. However, when users want to look at the screen of others’ phone, they can only either look directly at the phone or receive the screen photos of that phone. This leads to the ideas of our app- mobile device remote control.

Aim and objective
- Design an app that can synchronize screen with another phone
- Allow users to look at the screens of other mobile devices
- Allow users to project their screens to a larger screen

Features
- Use IP address as authentication
- Be compatible to different version of Android
- Be compatible to different size of Android Phones

Methodology

Knowledge Needed to Execute the Project
Eclipse with JDK (Java Development Kit) and SDK (Software Development Kit)

Mechanism

Client

Server

Connect to TV or HDMI port

Results
The screen of HTC is able to be synchronized. The image size of the client phone can be adjusted between original size or full screen. If the client phone is connected to HDMI port, the screen can be shown on the TV or any screen consists of HDMI port. This can be used for teachers to control the screen for teaching. There are also lots of other applications for this app such as sharing photos, information, games you are playing with others simultaneously.