Introduction

In recent years, smartphones have become more popular, and most people have at least one smartphone and use smartphone apps in their daily life. Students are now using their smartphones or tablets for study, to review lecture notes, tutorial notes and lecture videos.

Both LMES and PRS have some limitations in that they do not show well on a small screen and are not user friendly to a mobile user. We are motivated to produce this app to address these limitations. The app intends to combine the functions of LMES and PRS. This app offers a good information architecture, beautiful design, usable in mobile context, controllability by hand gestures, and alerts for giving a better user experience than LMES and PRS. Not only can students review lecture materials through the app, but they also can do online self-tests while on the move, either on their own or upon request by the instructor during lecture. Students will no longer need to bring an additional device to class.

Objective

In our project, an Android app will be developed for classroom support. It will be more convenient for students to use to download learning materials and take online tests anytime and anywhere. Students can use the app on smartphone based on Android rather than a browser since the clear and easy to follow user interface of the app will give a better user experience.

Methodology

1. Database Implementation

In this stage, phpMyAdmin is used for managing the MySQL database. A database “classroomsupport” is created for storage of tables of data.

2. PHP Implementation

In this stage, PHP files are created for building a SQL statement, sending to the database “classroomsupport” and receiving feedback from the database.

3. App Implementation

In this stage, the app is created with a concise user interface.

4. Whole System Implementation

In this stage, database, PHPs and app combined. Variables in PHPs are linked with the app.

Results

Student Account

Staff Account