

# ANDROID HABITUATE PRELIMINARY GROUPWARE FOR MBBS

<sup>1</sup> Vighnesh Kumar, <sup>2</sup>Mr. Ashok B.P

<sup>1</sup>Final Year Student, <sup>2</sup>Assistant Professor

<sup>1,2</sup>. Dept. of MCA, The Oxford College of Engineering  
Bomannahalli, Bangalore-560068

**Abstract:** An “Android Habituat Preliminary Groupware for Bachelor of Medicine and Bachelor of Surgery” helps the students for practice the entrance exam. This Project contains Objective types Questions. It would be evaluated automatically by the application. It provides registration for students done by themselves. When the student starts the exam the timer will start automatically and show the student how much time is left. Administrator will have the responsible to update the objective type questions according to the requirements. User has facility to registration through the Social networking sites (Facebook, Gmail, Twitter etc.). A Google Cloud Messaging facility will be implemented to share information about new version.

**Keywords:**Android, Medicine, Surgery, Student, Exam, Social Networking

## Introduction

Study by an smart phones is new trend in market. Nower days people like to carry their materials with them. Our organization provides this kind of facility to study via smart phones. Our application named Android Habituat Preliminary Groupware

for Bachelor of Medicine and Bachelor of Surgery, provides facility to practice MBBS test from anywhere in the world. As per our thinking before we need hard copies and some stationary materials to prepare for test, with the time world wide web come and people start their practicing using computers (Desktop and Laptop). But these are not light weighted devices which is not easy to carry everywhere. In the current situation people can live without food but not without cell phone by inspiring from this situation our firm decided to develop this application. This application will help to students to give test anywhere and anytime.

Android Habituat Preliminary Groupware for Bachelor of Medicine and Bachelor of Surgery is the application which provides support to the MBBS students. It allows selecting the objective test and fulfilling selected test papers with the different questions every time. Every time it provides and new questions and facility to remember it. This application is mobile version of web application [www.mbbskart.in](http://www.mbbskart.in)

**The tools Android Habituat Preliminary Groupware for**

## **Bachelor of Medicine and Bachelor of Surgery**

- **Eclipse-**

Eclipse prove development tool for Android and java developer. It allows you to performe design development and testing tools and API.[1]

- **SQLite-**

It is light weighted database which uses in micro and mobile device to perform local operations.[2]

## **Languages Use in Android Habituate Preliminary Groupware for Bachelor of Medicine and Bachelor of Surgery**

- **Android**

Android is a mobile operating system(OS) developed by Google. The Android operating system (OS) is based on the open Linux kernel. Unlike the iPhone IOS OS, Android is open sourceoperating system, meaning developers can modify and customize the OS for all android phones. Therefore, different Android-based phones may have different graphical user interfaces GUIs even though they use the same OS.[4]

- **Java**

Java used as backend in android application. Java is used because of its portability feature as well as it supports OOP.

## **SQLite**

SQLite is a “Standardized Query Language” for requesting information from a database. It is Light weighted databse design for the

micro and mobile devices. Which allows to perform operations from database but it doesn't supports stored procedure feature.

## **Drawbacks in existing system:**

- Students are using hard copies to study. All time that is not convenient.
- You need to spent lots on stationary and need to give you time to get all materials.
- Sometimes you can get material and books what you want but in small cities and villages you are not able to get all the stuffs.
- For student time is most important. As per saying books are their weapons.
- You cannot keep your material with you all the time.
- You have to spent lots time on preparing your own notes.
- When student belongs to small city or village they have to struggle for study material.
- When you are outside of your place you can't keep your materials with you.

## **Proposed Advantages**

- Our application provides free study material and student can download it on single click.
- In our application student can practice their subjects either online or offline by giving practice test.

- Students who prefer to prepare their selves from anywhere they can give practice anytime anywhere.
- If students are seeing for best study material our application provides free study material which is approved by experts.
- **Easy to use**
- **Fast Retrieval**
- **High Authentication**

## Implementation/Modules

This project deals with three modules:

- **User Module:**

Our purpose to develop this is student can study from anywhere and see their progress and can improve themselves. This application will useful for student and even for education field related peoples. The users are able to get new questions every time and can give online and offline test both. Students are the main focus while creating this application so they can save their favorite questions and write their notes.

- **Social Networking Usage**

We collect the data of user at first time when they installed the application. As end user thinking I feel lazy to fill data, So we are implementing social networking module user can register from social networking websites like Facebook, Gmail, twitter etc.

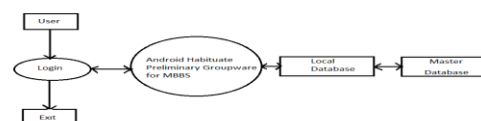
Nower days from child to old edged person are using social networking so this will help full to get new updates.

- **Payment Module**

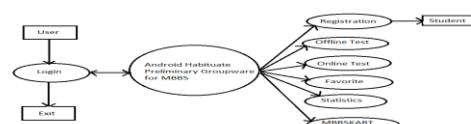
If I'm MBBS student definitely I'm very busy person because of my studies. So, overcome this problem we are giving facility to users can purchase books from our application and also pay online. This would be implemented using some trusted payment gateway.

## Data Flow Diagram

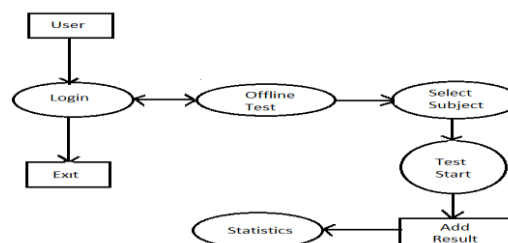
### Level 0 DFD



### Level 1 DFD



### Level 1 DFD for Offline Test



### Level 1 DFD for Online Test

## Future Work

We are trying to develop more good user interface and as well as update on some time duration. We are trying to attach with more experts to give best study material for students.

## **Conclusions**

his application will useful for student and even for education field related peoples. The users are able to get new questions every time and can give online and offline test both. Students are the main focus while creating this application so they can save their favorite questions and write their notes. Even can give ratings to question. Students can download notes and more even they can purchase online video lectures and books.

## **Reference**

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