A Formal Assessment Paper on EDUSET-MBA Universities Custom Search

K.Pushpa Rani, Manusha Reddy, B.Anjaneyulu, B.Hari Chandana

Abstract— Smartphones and tablets are steadily changing the way we look after our education. Today penetrating further deep into the market study of mobiles require application related to educare. EDUSET team wants to develop a mobile application on MBA university guidance which provides the user with basic university information. A person's usage of this application helps him/her to begin a good career. Firebase is used as database and android studio as a platform to develop the app. There are many apps regarding MBA learning but there will be no app like EDUSET. This application of this Android Platform is capable of guiding and suggesting the user with university information based on his/her probe. This application also enables individuals to become aware of different universities and its activities. The user will be provided with search option where he/she can probe according to university name or any of the MBA courses. The main vision of this paper is to give a new user-friendly app which is nowhere present in the mobile application development history.

Keywords— MBA Universities, Mobile Application, Firebase, Android Platform.

I. INTRODUCTION

This application is an Android based application which work on all kinds smartphones and tablets which have android OS as 4.2 and above. The main vision of this paper is to provide the users an easy to use application that helps them to understand and know more about MBA universities and its activities. The Android applications are creeping into every aspect of everyone's life. We are living in a scorching world where everything is done instantly. Many students are using android phones to ease the time and burden just on a 'click of finger'. Good software and meaningful applications provide substantial benefits for users and administrators as well. With the advancement of android phones, the android applications suddenly became an important aspect for local and global connectivity.

Nowadays everyone is having smart phones and it will be very much easy for them to find a suitable university at any time, anyplace and anywhere in the world just by entering their requirement towards MBA as per their interest and their category. The probable college names will be displayed to the users by considering the data they have entered. This will be a reliable data as it is taken from the Official websites.

K.Pushpa Rani*, Department of Computer Science and Engineering, MLR Institute of Technology, Dundigal, Hyderabad, India

Manusha Reddy, Department of Computer Science and Engineering, MLR Institute of Technology, Dundigal, Hyderabad, India

B.Anjaneyulu, Department of Computer Science and Engineering, MLR Institute of Technology, Dundigal, Hyderabad, India

B.Hari Chandana, Department of Computer Science and Engineering, MLR Institute of Technology, Dundigal, Hyderabad, India

This application EDUSET will be providing a default search option, top trending colleges and the location-based colleges for the quick view and convenience for the user following with all the default colleges list.

They will also be redirected to the page where they will be getting all the details about the university with beautiful pictures and every information of particular university with quick links of the official social media pages which directly redirects the user to the pages post clicking it which ultimately helps the user to find out the best college for him/her for his/her higher studies.

II. LITERATURE SURVEY

As technology is increasing rapidly, human beings are more dependable on their smartphones for every single activity. Even when they want to search any information regarding colleges, they are installing apps and visiting websites for appropriate information for their studies. MBA is one such course where everyone now is trying to excel. There are few apps and websites for MBA studying but there is no such app which give a clear idea of particular university in detail. These kinds of apps are made by considering the user requirements towards particular university. Generally, apps like these serve a single purpose and the user need different websites and apps for different institutional information and its activities. Disadvantages would be if the user wants to find a suitable MBA college for him/her which meets his requirements he/she should go visit all the individual websites of the institutes which is very hard for one to visit all the websites and then decide in which college he/she wants to go with.

III. PROPOSED SYSTEM

To make the user satisfy and feel convenient the idea is to develop a single app which serves various needs of the user towards MBA institutions. The proposed paperwork has a better design and it is energy efficient, user friendly application which is named as "Eduset". The main objective is to come with a one stop solution for this problem of selecting suitable MBA college for the user through an android application which will be easily available on the play store. The application consists of different MBA universities list with some filters like location preference and budget. The design is very user friendly. This application has a beautiful UI and it is energy efficient and doesn't drain the mobile phones battery. This application satisfies the needs of the user towards search of best MBA institute suitable for him/her hence EDUSET provides one stop solution for the users and helps them to find their desired MBA college. This application is designed by few security guidelines which protects the application from vulnerabilities.

IV. REQUIREMENTS

A. SOFTWARE REQUIREMENTS
[1] Version 7/8/10 (64 bit) windows OS
[2] JAVA as programming language
[3] Android Studio as a platform for developing app
[4] Firebase as database
       B. HARDWARE REQUIREMENTS
[1] Intel core i5/i7 processor
[2] Hard disk with minimum 64GB
[3] RAM with minimum 1GB
[4] A smart phone with 6GB RAM or more

V. DESIGN METHODOLOGY

The design methodology of EDUSET is very unique and the main concentration would be on UI since the most important thing to be remembered when designing an application is user interface. The app should be very attractive and easily operated by users without any disturbance.

When the user opens the application, a video will be played continuously until the user clicks the button present at the bottom of the screen. And then he/she will be moved to another page where the user has to login if he/she already registered themselves or can create an account by register option present over there. After successful login or register a home page will be displayed with trending universities at the top and user can also search universities by location.

A default list will be shown with all the MBA universities which is given by the admin in the app. A navigation bar has profile where user details will be stored, users can reach the team of EDUSET by giving feedback, comparator option and budget search option. There is an option where any two universities can be compared and the user can also probe universities by location and budget. When coming to university information, EDUSET provides preface of university, financial aid, facilities, locations, alumni, faculty, placements, specializations, type of programs available and few social media links. The links will be shown as images so the user will be directed to official pages of particular university post clicking it.
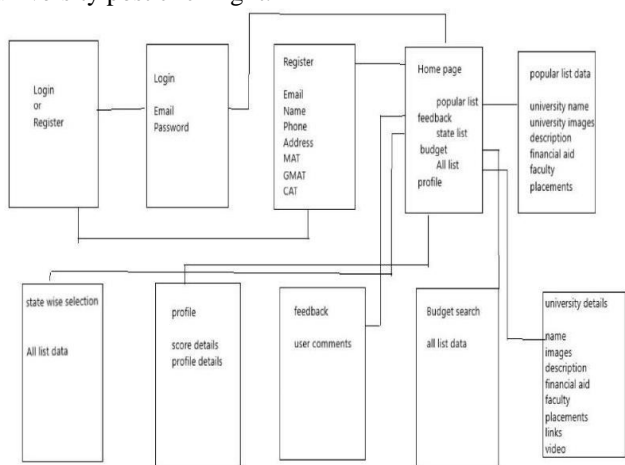

Figure 1: Design architecture

VI. IMPLEMENTATION

A. PROBLEM DEFINITION

To come up with a one stop solution for the user who is search of good MBA college which fulfils the requirement of the user like the location of the college, facilities, types of program, financial aid, different specializations. This application helps the user to save time and energy by only one click rather than visiting individual websites of the universities.

B. MODULES

DATABASE MODULE

In this module, the administrator will login into his/her firebase account. Here in database module the administrator will do certain operations like adding data which includes university details with different fields and also uploads if any storage is needed for particular university. Also, the database module will receive the user personal information given using registration and feedbacks or comments given by the user. In database the administrator has rights and access to delete accounts of untrusted users.

USER MODULE

In user module, n number of users are registered with the application. User will register themselves with the application and after successful registration he/she will login by using authenticated username, password. The user will be taken to home page where he/she can start searching desired information regarding different universities in different ways. The custom search includes searching MBA universities by its name, budget and state. The user can have full details of a particular university and also, he/she can compare two universities for better understanding. There is a feedback option where the user can give his/her comments regarding the application.

VII. UML DIAGRAMS

A. UNIFIED MODELLING LANGUAGE

The UML which is usually termed as unified modelling language, allows the computer specialist,software engineer and programmer to analyze model using the different modelling techniques that is governed by a set of syntactic, semantic and pragmatic rules. A UML is represented by five different views which describes the system from different perspectives. Each view in UML system is represented by a set of diagrams.
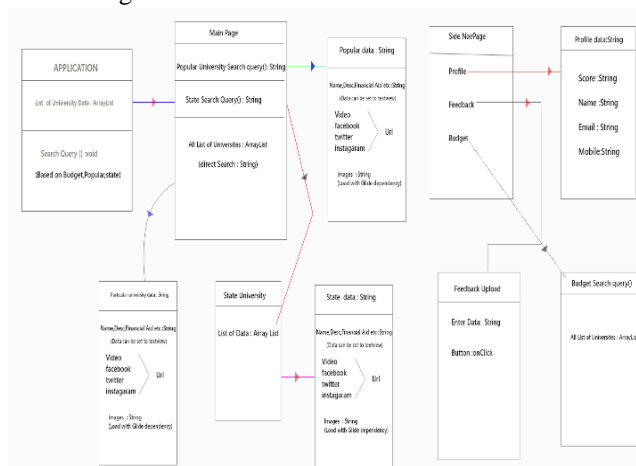

Figure 2: Class diagram

VIII.   FEASIBILITY STUDY

An outcome of premonitory investigation is the determination that the system is feasible in any environment. This is possible when the system is checked for feasibility within given limited resources and time. The three feasibilities that have to be analysed are

[1] Operational
[2] Economic
[3] Technical

OPERATIONAL FEASIBILITY

Operational Feasibility is the study of prospects of the designed system which is to be developed. This designed system blot out all the tensions of the Administrator and helps him/her in tracking the progress of system effectively. This automation will reduce the time and energy of the administrator which previously consumed huge time in manual work. The system is proved that is operationally feasible based on the study.

ECONOMIC FEASIBILITY

Economic Feasibility also termed as Cost-benefit is an evaluation and assessment of the economic justification.. Since hardware used to develop this application will be installed from a free source there will be no time consuming constraint and need not pay a single rupee. This system based-on user search, so many number of users will register within the application and can login at any time. Everything in the application is provided with no cost to users. So, this system is feasible economically.

TECHNICAL FEASIBILITY

Roger S. Pressman, an american software engineer stated that Technical Feasibility is the evaluation of the technical resources. The system is developed in environment which is platform Independent. Java and xml languages, Android studio and firebase as database are used to develop the application. Since everything used in this system is platform independent the application can run on any android device operating system without any problem. Considering the above cases, it is proved that this system is feasible in technical aspects.

IX.   CONCLUSION

This app gives a one stop solution for the user to choose best college for MBA which fulfil his requirements with just one click. This android application provides an easy, safe environment and quicker way of knowing about particular MBA university details. This application is completely secure and battery safe. So, this application helps in consuming less time and energy of the user in

keeping pace in this mobile era. EDUSET is an application which is nowhere present in android history. EDUSET will be focusing on Indian institutions first and then it can be extended to International institutions with many filters. MBA colleges will be worked and then all other master's degree will be added.

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