

Dhaka University Calendar Management Application

*An Android Application for the
Manifest of the University.*

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Dhaka University Calendar Management Application

Project Proposal

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CHAPTER: INTRODUCTION

This is an android application that is entitled to the name Dhaka University calendar management application. People can avail this application to be familiar with the Dhaka University. People can create account to access some more exciting feature along with the basic features.

1.1 Background

The calendar committee of Dhaka University publishes a calendar for the very first year students of the university to be familiar with the University campus and its glorious history. But unfortunately every year the students get the calendar at the end of the year. That doesn't fulfill the purpose of the calendar. So by using this application students, teachers and other people can be easily familiar with the university.

1.2 Objective

The objectives are categorized into two portions-

1.2.1 BROAD OBJECTIVE

To make an android calendar application.

1.2.2 SPECIFIC OBJECTIVE

- To utilize our knowledge about Software requirement specification, Object oriented programming, Web technology and Database on the project.
- To minimize the time of getting the calendar for the students.
- To provide information about the university privilege.
- To provide communication medium for the very first year students.

CHAPTER 2: SCOPE OF THE PROJECT

The scopes of this project are -

- Exciting features of application are only for the first year students.
- There is some security compromise in account creation and using of the exciting features.
- Only the admin can update the information in the application.
- There is no application for ios or windows mobiles.



CHAPTER 3: MOTIVATION

- The will to make university system fully automated.
- To help the students to make better use of the university facilities.
- To make the bonding between students and university much stronger.

CHAPTER 4: WORK PLAN

Work Plan for our project is –

For better management of the project data we divided our project management into two parts .

4.1 Static Part

All information that are not likely to change are part of static part.

4.1.1 DU INFORMATION MANAGEMENT: It includes DU brief history, notable achievement, information about governing body, department / institute description, Club or society details, pictures of famous places in DU campus and other descriptive information .

4.1.2 TRANSPORT MANAGEMENT: Schedule for the all the buses and their stoppage will be available for all users.

4.2 Dynamic Part

4.2.1 MAP MANAGEMENT : Users can see his/her current position and set the destination to get route. They can also search by department and offices. They can also see exciting places near the university.

4.2.2 COMMUNICATION MANAGEMENT: A group chat service will be provided to the user. The group will only be allocated to the first year students of the same department / institute. The group chat is text only. After a year the group will be deleted automatically along with all the existing message.

4.2.3 CHAT-BOT: A chat bot for answering search queries will be provided to the users.

4.2.4 CALENDAR MANAGEMENT: There will be a specific calendar for each department / institute. The user can edit his / her own calendar to his/her preference.

4.2.5 PROVIDING ADMINS WITH A SEPARATE INTERFACE: Admin will have a different web interface for their convenience . They can upload, update or delete information to the server and simultaneously database will be updated accordingly.

CHAPTER 5: DEVELOPMENT

5.1 REQUIRED LANGUAGES

Required languages to develop this application are-

- HTML
- CSS
- JAVA
- MySQL

We will use Android Studio IDE for developing the android application.

Besides, we will also use some libraries and framework.

5.2 DELIVERABLES

Deliverables of this project are-

- SRS documentation
- Web application
- Android Application

5.3 METHODOLOGY

Major steps to complete this project are-

- Analyzing the requirements of the project

- Preparing SRS document of the project
- Creating admin interface website
- Creating android application for user .
- Implementing all the parts to the android application
- Connecting the android application and admin website with the server database

CHAPTER 6: CONCLUSION

A software project means a lot of experience. This is a android based application with some real time synchronizing features. Here we need to handle both the server and user side. This is a great experience for us. We have to work really hard to complete this project. We have got a lot of help from our teachers and seniors. Hopefully, our users will be satisfied with our software .