Project Proposal

A LIGHTWEIGHT BENGALI TEXT EDITOR

Course: SE305 Software Project Lab – I

Submitted by

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Submitted To

SPL I Coordinators

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[15-02-2017]

IIT
University of Dhaka

Letter of Submission

15 February 2017

To,

SPL-1 Coordinator

IIT, Dhaka University

Subject : Application for approval of project proposal.

Dear Sir,

With due respect and humble submission I beg to state that I am a student of IIT DU. My SPL-1 project title is A LIGHTWEIGHT BENGALI TEXT EDITOR. In this project I want to make a text editor that contains syntax coloring, edit, save, copy, paste, search, replace option. I have written details of my project below.

I hope that you will go through the document and leave a signature if you agree with my plan.

Sincerely Yours

Shuvradeb Saha

Roll: 0815

Md. Saeed Siddik

TITLE: A LIGHTWEIGHT BENGALI TEXT EDITOR

1. INTRODUCTION

A text editor is a type of program that edit plain text in anylanguage. We can use a text editor for editing any format of text. Actually a text editor is our daily used instrument without which IT can't be developed and even can't go a single day.

2. BACKGROUND

At early when there were no text editors we had to use Punch Card. Computer text was punched into cards with key punch machines. When computer terminals with video screens became available, screen-based text editors(sometimes called "screen editors") became common. One of the earliest full-screen editors was O26, which was written for the operator console of the CDC 6000 series computers in 1967. Another early full-screen editor was vi. But nowadays we have so many text editors.

3. DESCRIPTION

The goal of my project is to make a text editor that edit text in Bengali. My goal is to add some function inside the editor like-

i)   syntax coloring
ii)   font
iii)   size
iv)   save text
v)   find text
vi)   replace word
vii)   Copy-paste text
viii) Open file

Another goal of this text is to highlight some special keyword. These keywords are used in Bengali Programming language. The project may extend later.

4. MOTIVATION

There may already exists some Bengali text editors. But I am doing this project so that I can help myself in developing my programming skill and large project in future.

5. OBJECTIVE AND SCOPE

My main objective is to make a text editor that support Bengali text inside it. Without that I have another goal of coloring some special keyword that is used in Bengali programming language.

6. ASSUMPTIONS

The system in which the software will run that must have JRE environment and UTF-8 and Bengali font supported environment.

7. DEPENDENCIES

I have used Java version 8.0. As Java is a platform independent programming language it will run on all GUI based platform except DOS based platform.

8. RISKS

If the system is not Bengali supported the goal will not succeed. The application should not run in DOS based platform.

9. PROJECT TIMELINE

Task/Month	1	2	3	4
Requirement Analysis	■			
Planning		■		
Coding		■	■	
Testing			■	
Final report Submission			■	■

10. CONCLUSION

The main goal of my project is to do some reality based task. From this project I can get the basic idea how a text editor works. I think this project will definitely help me to maintain future project and other IT related tasks.

11. REFERENCE

1. Swing tutorial,

URL:[https://grid.cs.gsu.edu/~cfrederick/csc4380/slides/The_Java_Swing_tutorial.pdf/]

Last visit: [09-02-2017]

2. Java tutorial, URL: [https://www.tutorialspoint.com/java/]

Last visit: [14-02-2017]