Project Proposal

Syntax Checker

Course: SE305-Software Project Lab I

Submitted by

BSSE0502 – Jobayer Ahmmed
BSSE0517 – Shadiqur Rahaman
BSSE0518 - Sauvik Bhowmik Anik

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Supervisor
Dr. Kazi Muheymin-Us-Sakib
Associate Professor
Institute of Information Technology
University of Dhaka

Submitted to   *Sheikh*
   Muhammad Sarwar   *Lecturer,*
Institute of Information Technology   *University of*

Dhaka

Institute of Information Technology

University of Dhaka

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1. Overview

The Syntax Checker program will help a C language beginner to check for syntax errors. Although there are many C compilers which check errors, our program will check the basic syntax errors of a C code which will be very helpful for a beginner. It will run both in windows and linux.

1.1. Background

We will make a program where one can check for basic syntax errors of a C code.

There are many C compilers in which one can debug and run a C code. But a compiler checks both syntax and logical errors and makes the error list large. It is very troublesome for a beginner to justify all logical and syntax errors.

So we want to make a syntax checker which will only check for basic syntax errors of a C code and give the explanation of the errors.

1.2. Objectives

We are going to do this job with some views in mind. This project will help us along with the C beginners.

The objectives are as follows:

1. Our goal is to make a program where a beginner can check basic syntax errors of a C code.
2. We will try to make an efficient platform which reports the errors and their explanation.
3. Our main goal is to learn as much as we can through implementing the solutions.
4. We also want to implement what we learnt in the Structured Programming (C) course along with Data Structure.
5. It will give the flavor of group working.
6. It will also give the experience of module programming.

1.3. Scope

Our proposed Syntax Checker will be helpful for the beginners, it will not comfortable for the professional C programmers.

Scopes are given bellow:

1. This program will only check a C code, not other languages' code.
2. It will check for the basic syntax errors, it will not check for the logical or other type of errors.
3. It will only run in windows and linux operating system.
4. It will also run from web server.

2. Project Delivery

After finishing our project, we will release our product with essential resources.

2.1. Deliverables

We will deliver our product with all required contents so that one can grab and use it easily.

The following contents will be delivered with the project:

a) A ".exe" file
b) The source code
c) Documentation

2.2. Timescales

We will complete our task maintaining a timescale, so that we can deliver the project in time. We will give much time for studying and coding. Along with coding, we will test our code and finally integrate our module of programs.

The time frame for implementing the project is given in Figure 2.1.

2.3. Work Distribution

The work distribution of the project is given in Table 2.1.

2.4. Project Resources

To do our job, it is not required so much resources. We can do our task in a normal computer.

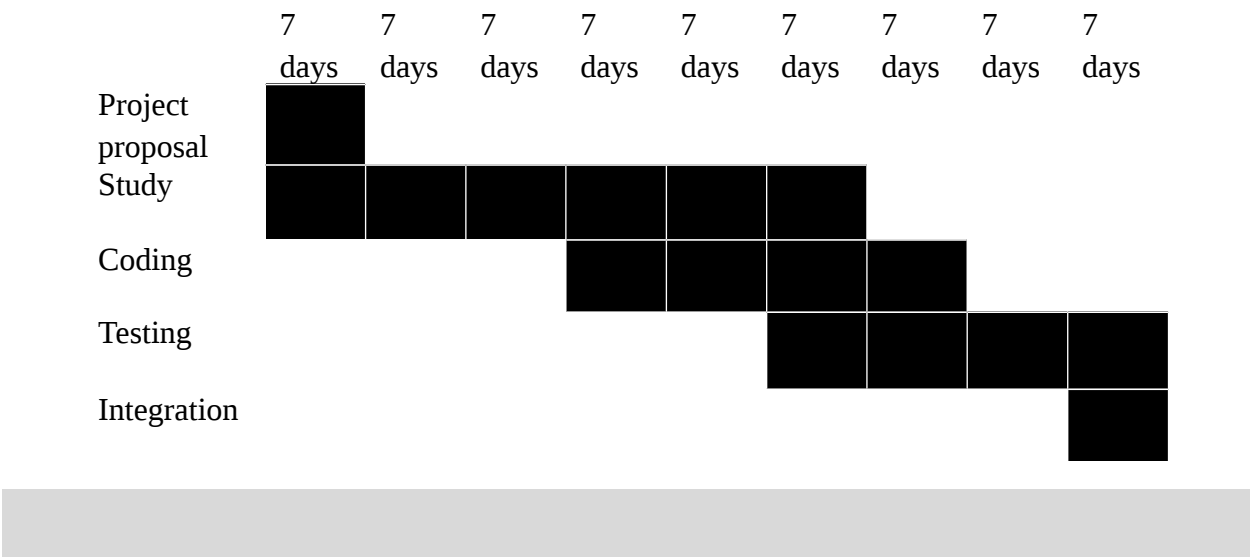The resources required to finish the project is given in Table 2.2.

	7 days	7 days	7 days	7 days	7 days	7 days	7 days	7 days	7 days
Project proposal	███								
Study	███	███	███	███	███	███			
Coding				███	███	███	███		
Testing						███	███	███	███
Integration									███

Figure 2.1: Time frames for project implementation

Project Proposal	**Jobayer Ahmmed**	**7 days**
Study	**Jobayer Ahmmed, Shadiqur Rahaman, Sauvik Bhowmik Anik**	**28 days**
coding	**Jobayer Ahmmed, Shadiqur Rahaman, Sauvik Bhowmik Anik**	**35 days**
Testing	**Jobayer Ahmmed, Shadiqur Rahaman**	**7 days**
Finalization	**Jobayer Ahmmed, Sauvik Bhowmik Anik**	**7 days**

Hardware Requirements		
Processor	**RAM**	**Hard Disc Space**
Dual Core or Higher	128 MB or Higher	256 MB or Higher
Software Requirement		
This software is implemented in Windows OS.		

Table 2.2 Project Resources

3. Summary

Here we have discussed about the project in details. We have talked about the necessary elements regarding the project. In the future, we wish to modify the software according to the industrial needs.

4. References

1. How To: Write a project proposal [Online] URL:

http://mogadalai.wordpress.com/2007/05/28/howto-write-a-project-proposal (Accessed on 13.02.2011)