National University of Sciences & Technology
School of Electrical Engineering and Computer Science
Department of Computing

CS 250: Data Structures & Algorithms (3+1): BESE10AB Fall 2020

Semester Project Proposal	
CLO 3: Select appropriate data structures and employ suitable algorithms for solution development.	
Maximum Marks: 100	Instructor: Dr. Muhammad Shahzad
Announcement Date: 1st December 2020	Due Date: 13th December 2020 by 23:55 hrs on LMS

Group Size: 2 Students

You must get approval from the course instructor for the project you want to do. Come up with something creative and something you would like to use in the years ahead. You can also choose from list of projects available on LMS.

Fill in the following information and submit this document for approval.

Sr. No.	Item	Detail
1.	**Project Title**	**TEXT EDITOR**
2.	**Project Members Names (w/ reg #):**	1) Muhammad Talal Jamil # 289682 2) Ghayoor Ali # 286931
3.	**Project Description**	It will be a simple text editor program having all the simple features like Creating or Editing a .txt file and Saving the input in the text file. Will Introduce the checking of incorrect words by searching and comparing with some given words already stored in the directory of our program. The target audience is those people who need a terminal look alike text editor. The user can interact by entering some commands in the text editor terminal console menu.
4.	**List of Data structures used**	Linked Lists, Queue, Ternary Search Tree, Gap Buffer
5.	**List of Algorithms used**	None, But Ternary Search Tree is used for finding incorrect words.
6.	**Additional Information**	Will Try to implement some other Features like Undo, Redo or auto - completion of words.
7.	**Implementation platform**	C++