Daffodil International University

Department of Computer Science and Engineering

Project Report on **Phonebook**

Course Code: CSE 215
Course Title: Algorithm Lab

Submitted To

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Date of Submission: 6 August, 2020

Objective

The Objective of the Phone Book project is to manage the details of contacts; name and phone number.

Features

- Add new contacts
- View contacts
- Edit contacts
- Search contacts ● Delete contacts

Methodology

This is a console project written in c++ programming language. To make the operations it takes standard input from the keyboard and shows standard text output to the monitor. We used a vector from STL to store the contacts. New contacts can be added by inputting the name and phone number. All the contacts added previously can be viewed at a glance by selecting the option 2 from the menu. Menu option 4 is to edit any existing contacts. Contacts can also be searched by typing the name. Unwanted contacts can be deleted by selecting option 6.

Algorithms

To implement the features, we used Selection Sort and Linear Search algorithms in this project. After adding a new contact and after editing any existing contact we sort the phonebook in ascending order using selection sort. In edit, remove and search functions we used Linear Search to find the desired contact.