Bahria University,

Karachi Campus



COURSE: Data Structure & Algorithms

TERM: FALL 2022, CLASS: BSE- 3 (B)

PROJECT NAME

Password Manager

Group Member

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Signed Remarks: Score:

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**Project Title**

Password Manager with advance Security

**Group Member List**

Muhammad Shoaib Akhter Qadri

**PROJECT SCOPE**

The Cryptography Hashing (MD5, SHA 256, SHA 512), Password Generator and Encryption & Decryption are one of the complex projects. The goal is to do number in different form which are not understandable by using Hashing Function (MD5, SHA 256, SHA 512), as well as to generate password for users by randomly so that user use software by easily as well as the goal is to my project is encrypt password as well as decrypt the password according to the user’s needs and requirements.

**PROJECT ABSTRACT**

The Hashing , Password Generator and Encryption & Decryption are one of the most popular projects at all time. In this project, the main objective of the user is to generate password by randomly and its password or other information would be hidden in different words by using hashing function. These words are not able for readable or understandable as well as the main objective is to encrypt password or words and it could do decrypt the password.

**PROJECT FUNCTIONALTIES**

* **Applying Cryptography Hashing (MD5, SHA 256, SHA 512),**
* **Generate Auto Password**
* **Storing / Saving passwords on database.**
* **Searching / Sorting Functionality on User passwords.**
* **Encryption & Decryption of Files, images or any text.**

**MODULE DISTRIBUTION**

I will build the projects by myself. I will add functionalities of Hashing Function in MD5, SHA 256, SHA 512, Auto-Generate Password Functionality and Encryption & Decryption Functionality, Searching (Binary Search) and Sorting algorithms (Merge Sort) in my project.

**Teacher Signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Remarks**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Submission Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_