https://ufl.instructure.com/courses/455634/assignments/5205720

- Team Name: Optimize Primes
- Team Members
 - 1. Jesse Allen
 - 2. Charlene Creighton
 - 3. Alec Patterson
- Project Title
 - 1. Login Analyzer
- Body:
 - 1. Problem
 - Is your username unique?
 - Is your password weak?
 - 2. Motivation
 - Everyone wants to be cool and secure online.
 - 3. Features
 - We know that we have solved the problem when a user receives a high score for both their login username and password. Program will take in username and password as input, and return a score for both.
 - 4. Data
 - Reddit username database
 - https://www.kaggle.com/datasets/colinmorris/reddit-user names
 - Passwords
 - https://www.kaggle.com/datasets/bhavikbb/password-str ength-classifier-dataset?resource=download
 - https://drive.google.com/file/d/1MkaSxs1doA6XdLMCfYa msPmc1THF8sVC/view?usp=sharing
 - 5. Tools
 - C++
 - GUI: Qt
 - GitHub
 - 6. Visuals

Login Checker	EXIT
UserNamePassWord	RANK

- 7. Strategy
 - Red Black Tree
 - B+ Tree
- 8. Distribution of Responsibility and Roles
 - Charlene
 - Presentation
 - GUI
 - Assist with both data structures
 - Alec
 - Presentation
 - Red Black
 - Jesse
 - B+ tree research
 - Data validation
- 9. References:

Balanced Trees Slides (COP 3530 Module 4):

https://ufl.instructure.com/courses/455634/files/68954183?wrap=1