**Object-Oriented Design II**

SSE 554

Dr. MacNeil

Spring 2017

**Project III**

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Introduction

## Purpose

For Project III, the purpose was to choose a topic new to us from the text, demonstrate our capabilities through software design, coding, and finally unit testing while using some form of source control. For Project III, we have decided to learn about Security from the text. The features of the project requirements are outlined in the table below.

Table . Project II Composition

|  |  |
| --- | --- |
| Team Composition | Brent Bitler, Matthew Robison |
| Topic | Security |
| Distributed Version Control System | GitHub |
| Programming Language | C# |
| IDE | Visual Studio 2015 |
| TDD Tool | Built-in VS unit test tool |

Authentication

## Overview

ASP.net

Encryption

## Overview

ASP.net

File Access Control

## Overview

ASP.net

Code Access Permissions

## Overview

ASP.net

Appendix

## Program.cs

Bibliography

[1] Engelbrecht, Andries P. *Computational Intelligence: An Introduction, (2nd ed.)*. Wiley, 2007.

Activity Log - Bitler

|  |  |  |
| --- | --- | --- |
| Date | Time (mins) | Description |
| 1/9/17 | 60 | Looked through Naïve GA |
| 1/10/17 | 60 | Looked through and worked Naïve GA |
| 1/11/17 |  |  |
| 1/12/17 | 120 | Research GA’s online for topic ideas |
| 1/13/17 | 180 | Read Ch 9 - GA |
| 1/14/17 | 90 | Read Ch 9 - GA |
| 1/15/17 |  |  |
| 1/16/17 | 120 | Begin constructing class structure of string unscramble program |
| 1/17/17 | 120 | Begin chromosome class |
| 1/18/17 | 120 | Continue working chromosome class, begin developing population class |
| 1/19/17 |  |  |
| 1/20/17 |  |  |
| 1/21/17 | 60 | Finish chromosome class |
| 1/22/17 | 240 | Continue working population class |
| 1/23/17 | 120 | Connector class |
| 1/24/17 | 30 | Come up with initial variable settings |
| 1/25/17 |  |  |
| 1/26/17 | 240 | Begin generating report |
| 1/27/17 | 180 | Put together test data |
| 1/28/17 | 360 | Conclude paper, graphs, etc |
| 1/29/17 | 180 | Final review of paper |
| 1/30/17 | 15 | Submit paper |
|  |  |  |
| TOTAL | 2295 |  |

Activity Log - Robison