CSE 201 Configuration Management Plan Document

## Team Member Names

Patrick Tessmer

John Hoffer

Wei Mao

Yang Sun

## Team Project Title

Bioinformatic Toolkit

### Project Description

The goal of this project is to create a toolkit that takes the functions on several bioinformatic tools already available and to combine them in a single program that is more use friendly than those already in existence. These functionalities are the alignment of DNA RNA and proteins with the users choice of scoring systems or matrices. To create dot Plot representations of the relationship between strands and to preform basic multisequence alignments. All while allowing the user to pull form the NCBI database to make access to information that the user may want to analyze easier.

## Team Responsibilities

List who is responsible for what.

|  |  |  |
| --- | --- | --- |
| Member Name | Git User ID | Responsibility |
| Patrick Tessmer | pattezz | Front end, front end test, Software Architecture documentation  Back end, Back End Testing |
| John Hoffer | Jghoffer28 | Front end, front end test, documentation,  Back end, Back End Testing |
| Wei Mao | yasutsunap | Front end, front end test, documentation,  Back end, Back End Testing |
| Yang Sun | yanggggr | Front end, front end test, documentation,  Back end, Back End Testing |

## Project Repository

https://github.com/pattezz/CSE-201-Project

## Branching Strategy

We are planning a branch per release branching strategy where when we release at every iteration we will create a new branch on GitHub

## Version Release Plan

We are planning one version release per iteration

|  |  |  |
| --- | --- | --- |
| Version Number or Label | Features /Bug fixes Included in version | Remarks |
|  |  |  |
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## Code Check in Plan

Describe the procedure for code check in that involves feature addition and bug fixes. Does it include any design reviews, code reviews, testing? Does it involve getting approval from a Change Control Board? Describe it here.

Our Code check in Plan involves for every feature addition and bug fix the submitter preform their own testing as well as passing their code along the chain along with the test cases to be reviewed by another group member. Once that group member approves the code will be added to the code base.

The Chain is: Patrick Tessmer to John Hoffer to Wei Mao to Yang Sun to Patrick Tessmer