Work Overview for Project 3

Project - Likelihood Protein Identification via k-mer Genetic Sequence Assembly

Done by - Group 4

Members:
- Kriti Amin
- Sarah Imani
- Elena Xerxa
- Faiza Khurshid

Raw Code

Task 1 - Strands, Assemble! (3 pts)
- Kriti Amin - module sequence_assembly

Task 2 - Central Dogma (1 pt)
- Kriti Amin - module gene_finder
- Faiza Khurshid - dna to mrna transcription function

Task 3 - Protein Prediction (2 pts)
- Elena Xerxa - module Blast and utils

Task 4 - GUI (3 pts)
- Sarah Imani - module main and utils, folder templates/

Task 5 - Containerize the Application (1 pt)
- Sarah Imani - Dockerfile

Testing

Elena Xerxa - test_Blast
Kriti Amin - test_sequence_assembly, test_gene_finder

Package backend

- Sarah Imani
- Elena Xerxa
- Kriti Amin

Package frontend

- Sarah Imani

CLI

- Elena Xerxa
- Kriti Amin

Documentation

- Sarah Imani
- Elena Xerxa
- Kriti Amin

GitLab

- Sarah Imani
- Elena Xerxa
- Kriti Amin
- Faiza Khurshid

Presentation

Introduction
- Faiza Khurshid

Methodology, Software Overview
- Sarah Imani
- Elena Xerxa
- Kriti Amin

Discussion
- Faiza Khurshid

Live demo
- Sarah Imani
- Kriti Amin