# **REPORT**

## CSC2001F: Assignment 4

## PTRJAR009

* What your OO design is: what classes you created, why, and how they interact (at most 1 page).
* What test values you used during testing and what the output was in each case (use output redirection or cut-and-paste or take screenshots) (at most 10 pages).
* A statement of what you included in your application(s) that constitutes creativity - how you went beyond the basic requirements of the assignment (at most 1 page).  Examples of creativity include: designing a visual/multimedia interface and implementing a follower/followed feature for multiuser feeds.

# Object Orientated Design

### User Class

**Constructor**

**Methods:**

* **public void addPost(String title, String video, int numLikes)**
* **public void displayPosts()**
* **public String getDescription()**
* **public String getAccountName()**
* **public String toString()**
* **public int compareTo(User anotherUser)**

The user class was created to store User details. It can store the users account name, account description, and a list of posts that is kept in a Binary Search Tree for efficiency.

### Posts Class

The post class was created to hold the post content of a user. It can store the post title, video file name, and the number of likes the post has. Is intended used along with the User class.

### Toktik Class

The Toktik class is the main body of the application. It contains the GUI which consists of a menu bar, text area box, and a panel with button. It implements the User and Posts class to allow the user to do the following tasks: Add new user, delete a user, list all users, add a post, list all posts, search for a user and give their account description.

# Testing

# Creativity

I demonstrated creativity by implementing a GUI to interact with the user. The GUI is built using the Java Swing framework

# Git usage

Git summary using the given command:

0: commit 74ccad924d7df3b3d16e079f75a6958a5a26d5c7

1: Merge: 9d5fda1 df66618

2: Author: JaredPetersen2003 <jared.petersen9@gmail.com>

3: Date: Tue Apr 18 11:22:26 2023 +0200

4:

5: Merge branch 'main' of https://github.com/JaredPetersen2003/tiktok-clone

6:

7: commit 9d5fda12817102b20da9be8821bdbf08ca32da67

8: Author: JaredPetersen2003 <jared.petersen9@gmail.com>

9: Date: Tue Apr 18 11:20:08 2023 +0200

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