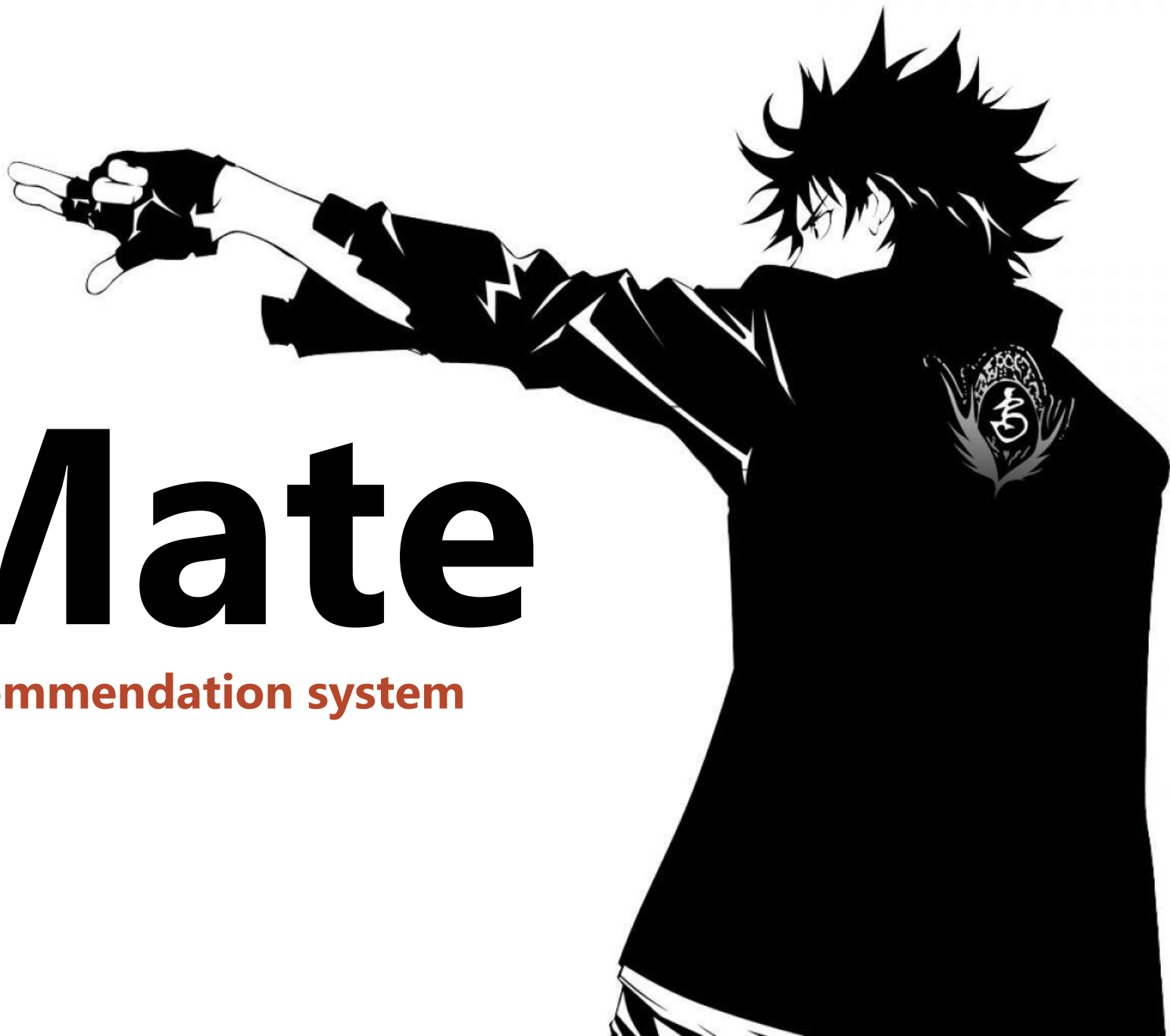




AniMate Repository



AniMate

Python-based anime recommendation system

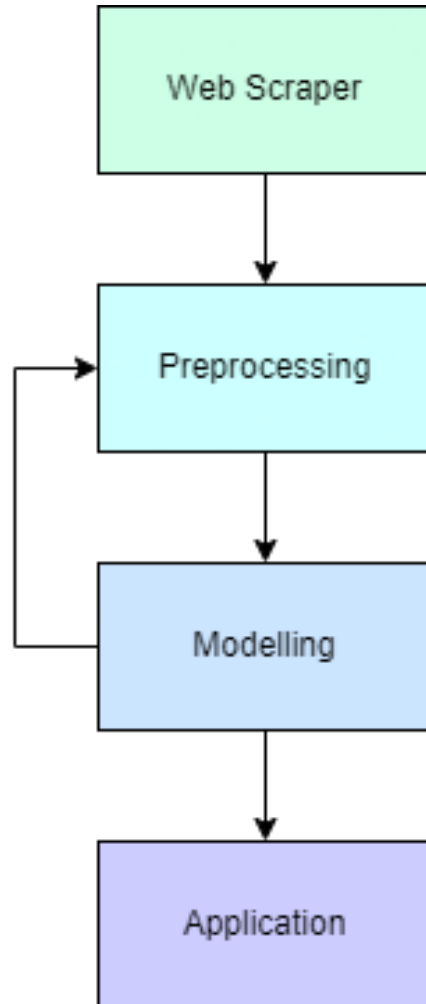
INTRODUCTION

AniMate is a Python-based NLP recommendation engine that can be used to get recommendation based on the input prompt given by the user.

The user has to describe the anime they want to watch and the model will recommend it something that matches their description

- **Key libraries utilized:** BeautifulSoup, Pandas, NLTK, Sklearn and Streamlit
- **CI/CD:** Git and GitHub
- **Architecture Diagrams:** Draw.io
- **Contributors:** Asif Sayyed, Pranjal Dhamane, Shrawani Thakur, Aditi Mane, Tanvi Sivaraj

MODEL OVERVIEW



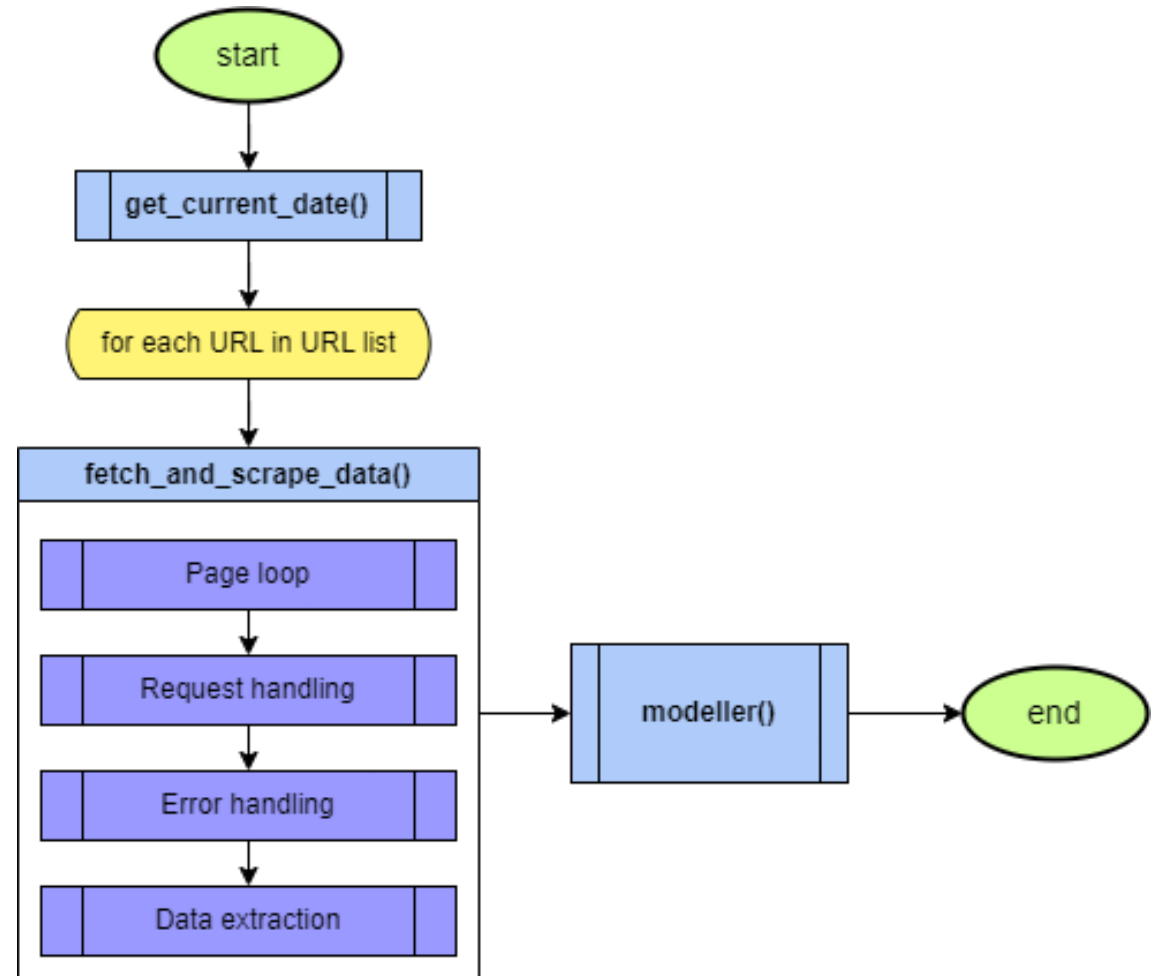
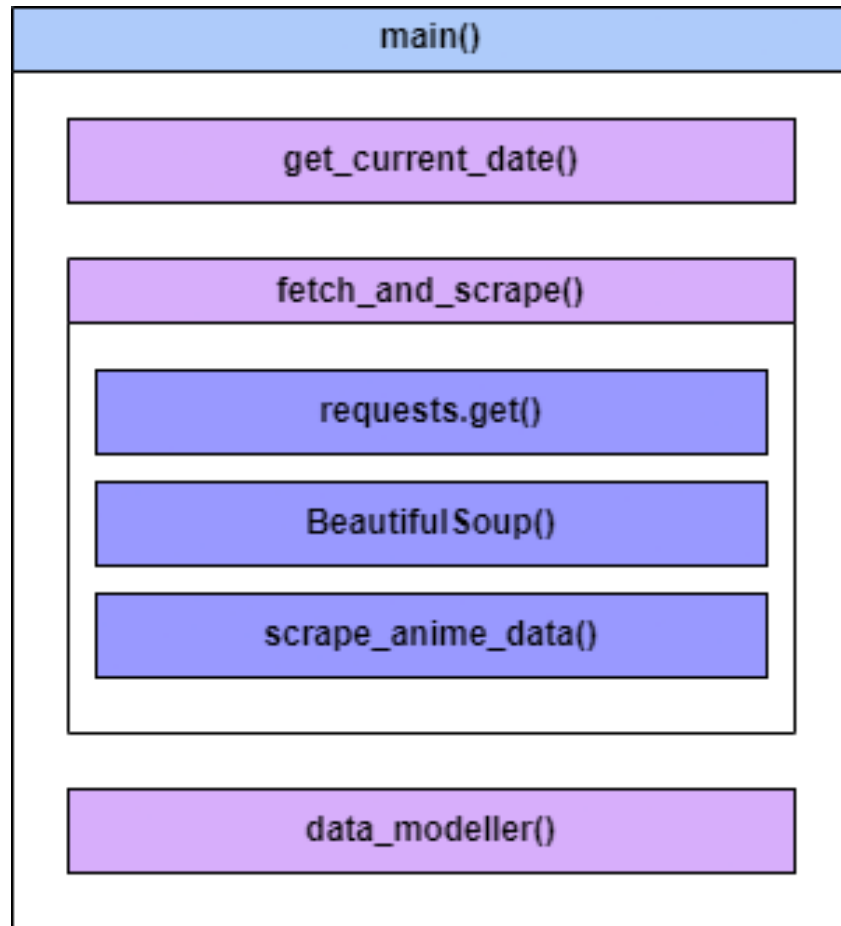
The entire pipeline can be considered as **4 phases**

1. **Web Scraping:** Gathering the data from an anime website
2. **Pre processing:** Taking in that raw data and processing it and make it easier to model
3. **Model Development:** Training the model and generating the recommendation

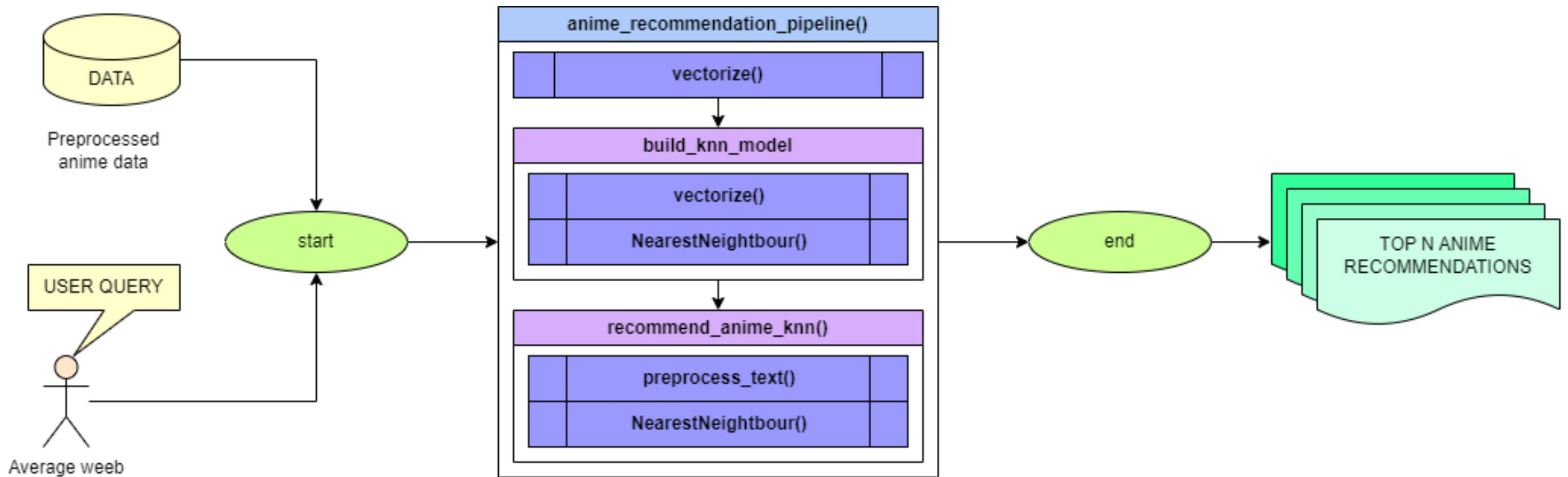
(Step 2 and 3 are iterative)

1. **Application Development / UI Development:** Encapsulating the entire process in a user friendly format

LET'S DIVE DEEPER - WEB SCRAPING ARCHITECTURE



WHAT'S UNDER THE HOOD? - MODEL ARCHITECTURE



ANY QUESTIONS?