

# Technical Specification for Reddit Scraper

## Overview

The Reddit Scraper is a web application designed to scrape Reddit user activity and subreddit posts. The application uses Playwright for web automation and Cheerio for HTML parsing. The scraped data is displayed using an Express server with EJS templates.

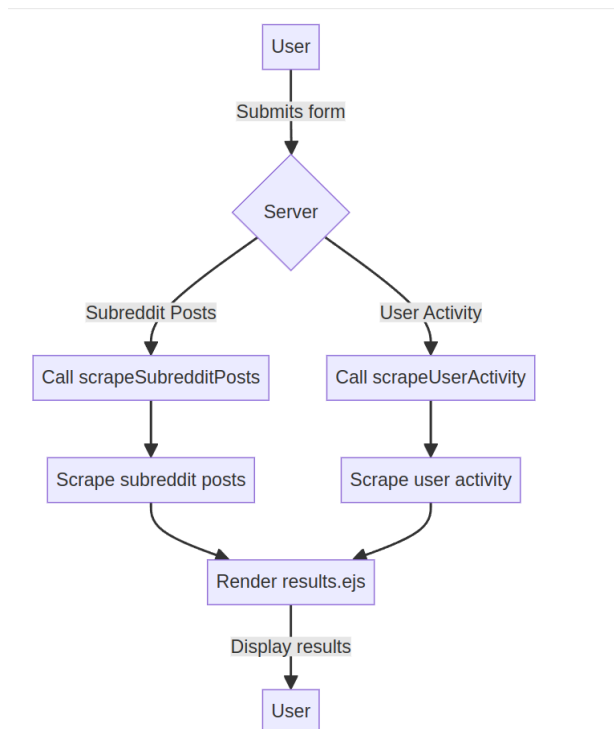
## Objectives

- Scrape subreddit posts from a specific subreddit.
- Scrape activity from a specified Reddit user.
- Display the scraped data in a user-friendly format.

## Technologies Used

- **Node.js**: JavaScript runtime environment.
- **Express**: Web framework for Node.js.
- **EJS**: Embedded JavaScript templating engine.
- **Playwright**: Web automation tool.
- **Cheerio**: jQuery-like library for server-side HTML parsing.

## Flow Diagram



## Future Improvements

- **Pagination:** Implement pagination to scrape more data from subreddits and user activity.
- **UI Enhancements:** Improve the user interface for better usability and aesthetics.
- **Better Error Handling:** Handle more errors gracefully