

Team Python Final Results

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Features Promised

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1. User Registration
2. Uploading Files
3. Citation and Bibliography
4. Search by Multiple Tags

Features Delivered

(#1) User Registration

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- ▶ As a user who is new to the platform, I want to create new account so that I can fully access and use the platform's features and services

The screenshot shows a web application interface for user registration. At the top, a navigation bar contains links for 'Riki', 'Home', 'Index', 'Tags', 'Search', 'Search by tags', 'New Page', 'Login', and 'Sign Up'. The main content area is titled 'Sign Up' and features three input fields: 'Username', 'Password', and 'Confirm Password'. Below these fields is a blue 'Sign Up' button.

(#1) User Registration

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- ▶ As the owner of the platform, I want each user to have a unique username so that username can be used as their identity in the platform.

Sign Up

Errors occurred verifying your input. Please check the marked fields below.

Username

name

This username already exists

Password

Password

Confirm Password

Confirm Password

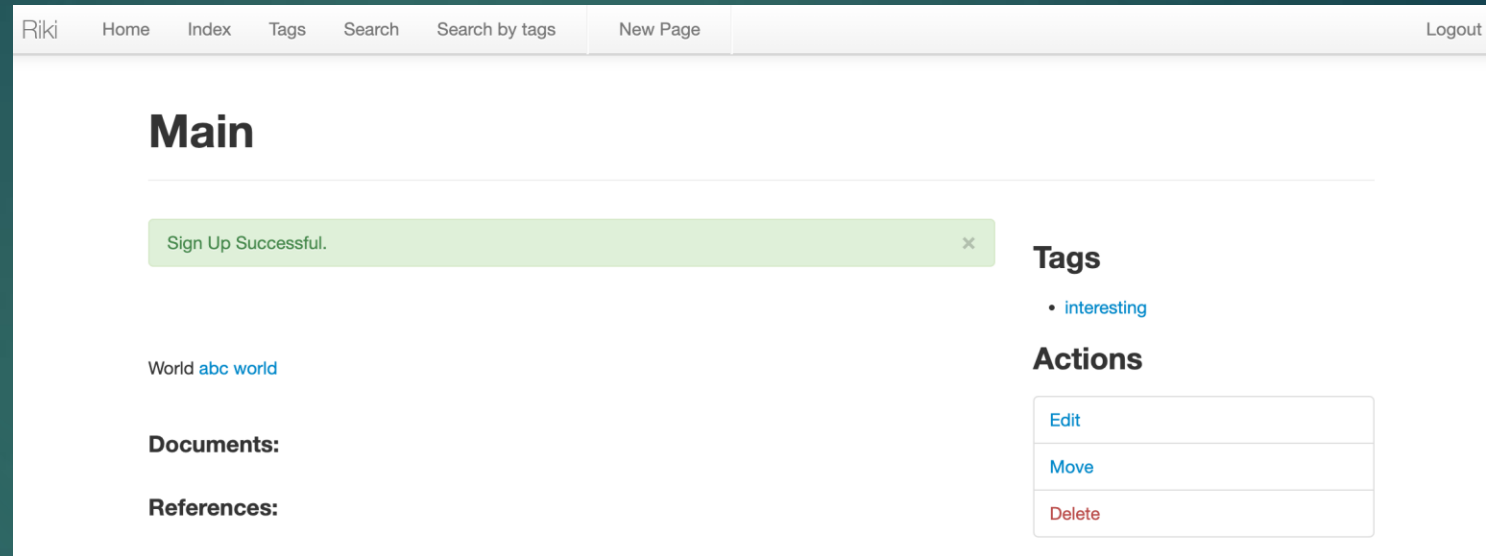
Password must match

Sign Up

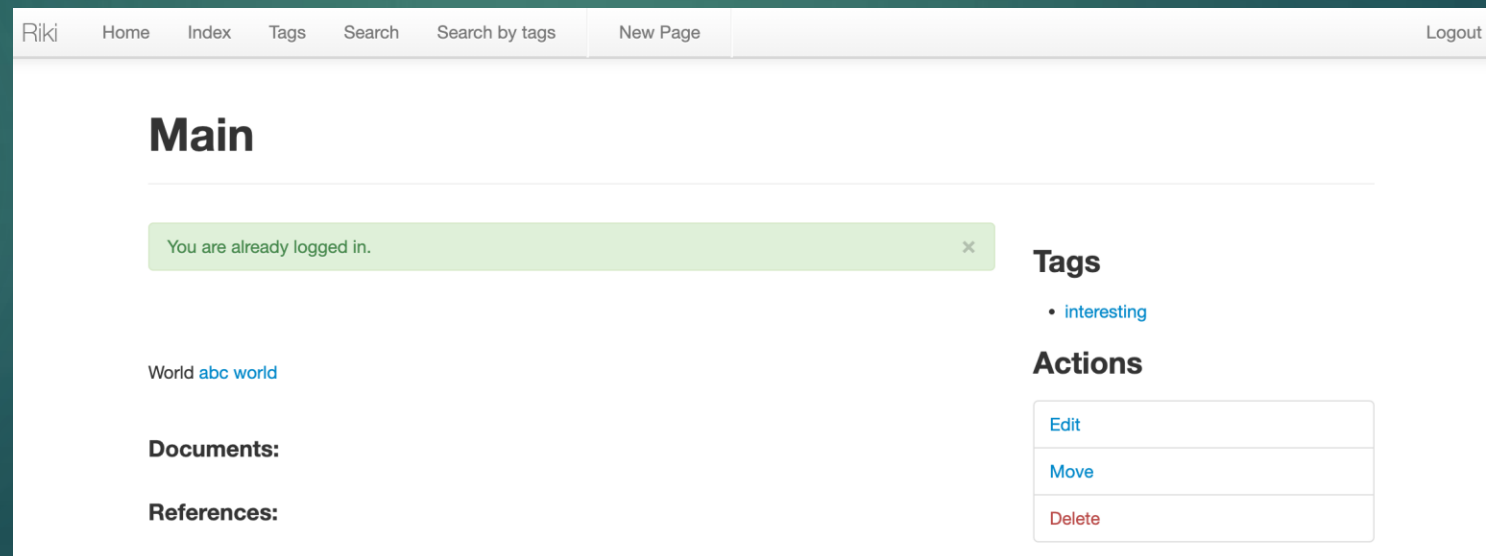
(#1) User Registration

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Automatic login



Route protection



(#1) User Registration

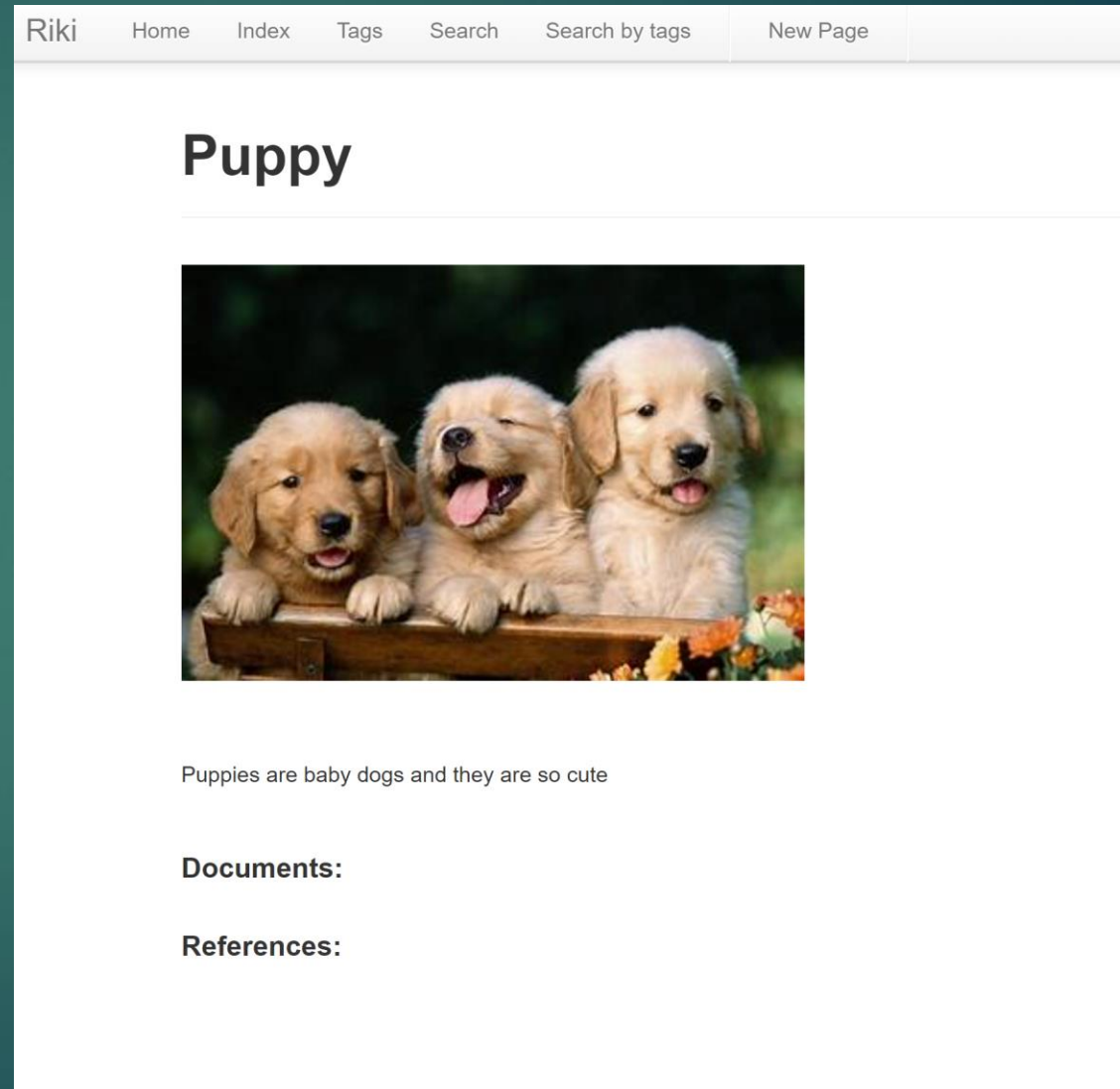
6

- ▶ Unit Tests: 6
- ▶ Additional LoC: 112

Feature #2 Upload / Download

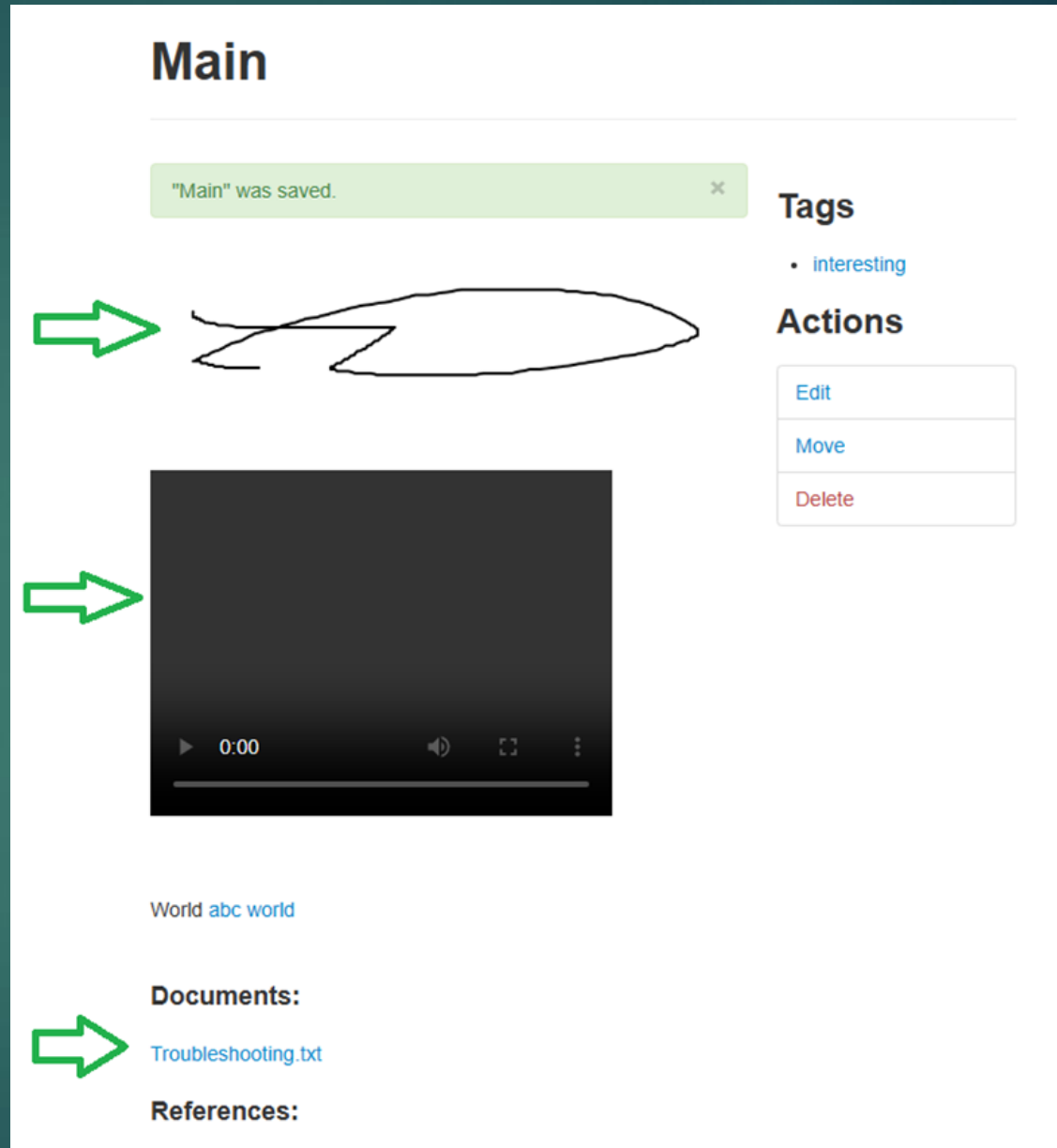
7

- ▶ As a contributor, I want to be able to upload images and diagrams to a Wiki page so I can provide examples.
- ▶ LoC added: 110
- ▶ Unit Tests: 4



Display

- Photos added will appear on top
- videos below images
- documents appear as links to be opened in a separate tab



Feature #3 Citations

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- ▶ As a contributor, I want to be able to easily cite my sources so that they follow a consistent format.
- ▶ LoC added: 149
- ▶ Unit Tests: 2

[Riki](#) [Home](#) [Index](#) [Tags](#) [Search](#) [Search by tags](#) [New Page](#)

Software Engineering

Software engineering is an engineering-based approach to software development. A software engineer is a person who applies the engineering design process to design, develop, test, maintain, and evaluate computer software. The term programmer is sometimes used as a synonym, but may emphasize software implementation over design and can also lack connotations of engineering education or skills.

Engineering techniques are used to inform the software development process, which involves the definition, implementation, assessment, measurement, management, change, and improvement of the software life cycle process itself. It heavily uses software configuration management, which is about systematically controlling changes to the configuration, and maintaining the integrity and traceability of the configuration and code throughout the system life cycle. Modern processes use software versioning.

Documents:

References:

[Software Engineering Programmes are not Computer Science Programmes](#). David L. Parnas. 1998.

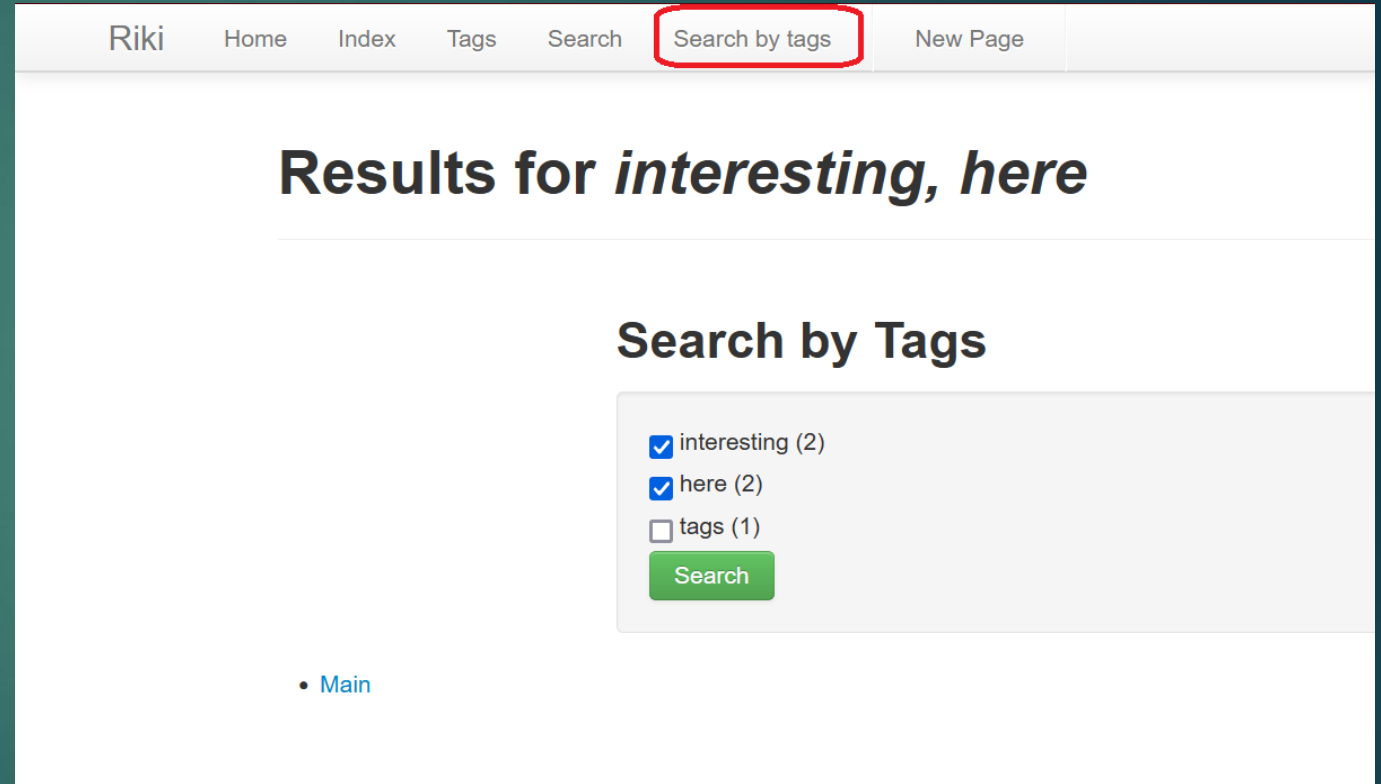
Actions

Edit
Move
Delete

Feature #4 Search by multiple tags

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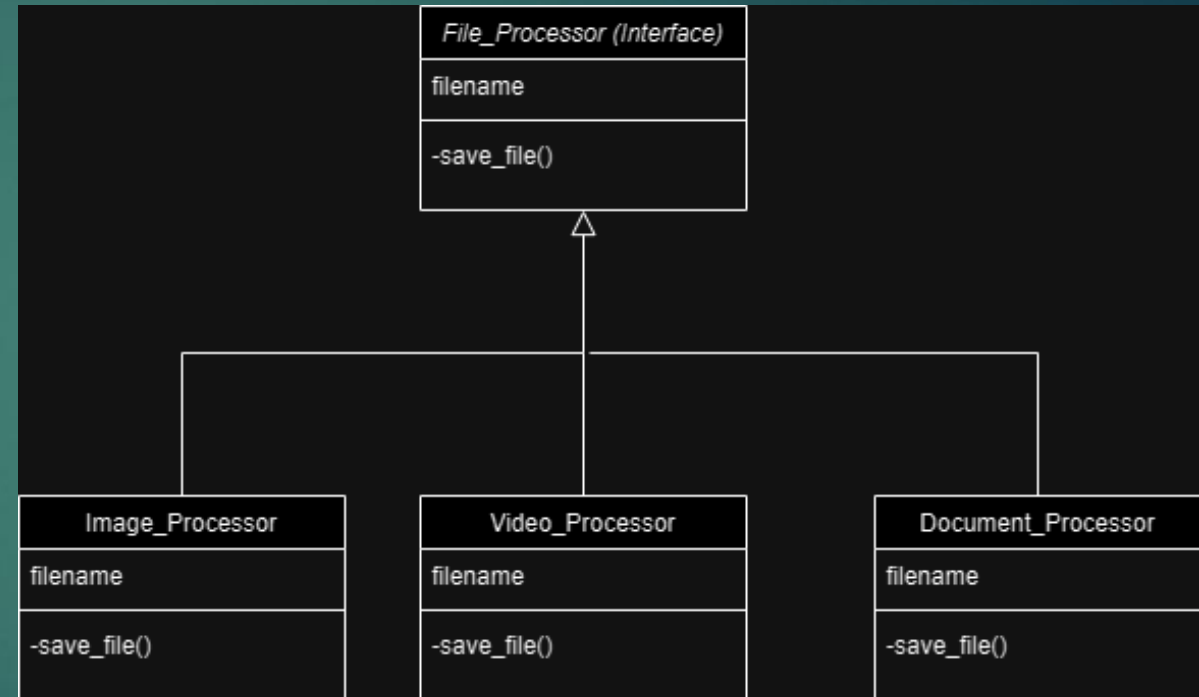
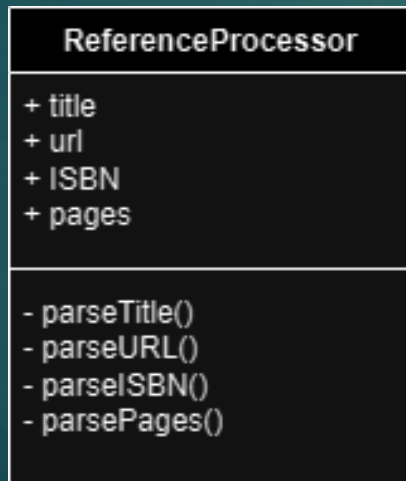
- ▶ As a user, I want to be able to search by multiple tags so I can more easily browse pages
- ▶ Unit Tests: 3
- ▶ Additional LoC: 242



Overall Design / architecture

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- ▶ Strategy design pattern
 - File Processor
 - Registration Processor
- ▶ Inheritance



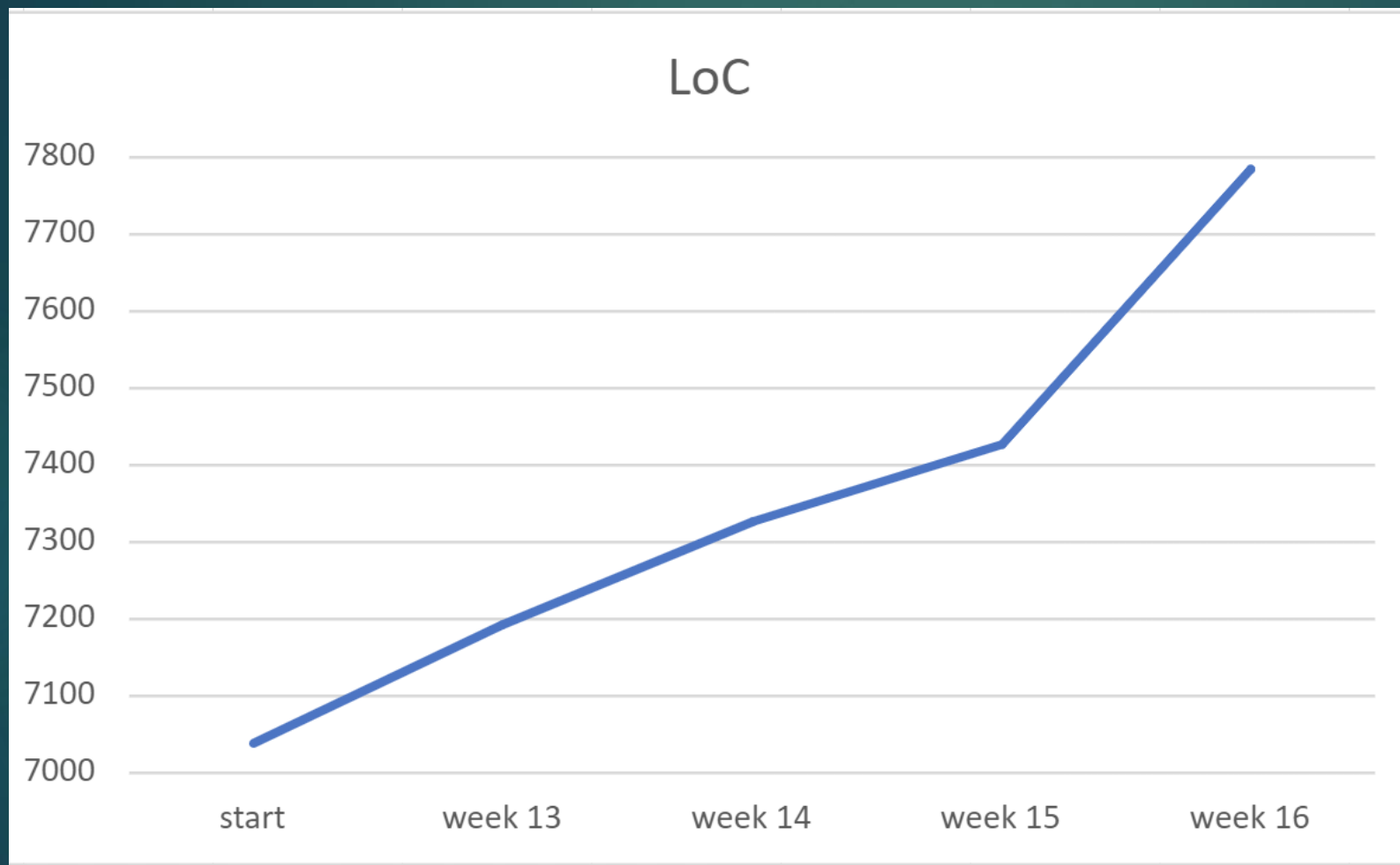
What did we accomplish

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- ▶ Ease of use
- ▶ Simplicity
- ▶ Clean Code
- ▶ Customization for Users

Progress Summary

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How to expand in future

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- ▶ Sign up => User profiles
- ▶ Add citations, in the future remove and edit
- ▶ Uploading files, edit within the webpage.
- ▶ Typed + autocomplete interface for Search by Tags
- ▶ More granular logic in Search by Tags (and, or, not)