

App Summary

App Idea

The main purpose of the app is to help users with little to no knowledge of Regular Expressions to create regular expressions that identify Antipatterns (bad code formats) in the PatternDB. The database is a secondary concern and could be copied from the existing collection or ignored and implemented after this semester.

Users

- Regex Authors
 - Instructors of some sort, are using the app to outline some bad programming behavior they have identified
 - May have little formal programming experience, app may be used by e.g. highschool math instructors using Matlab or even something like data entry
 - Likely have little to no experience with Regular Expressions

App Usage

Users interact with the application to create Antipattern identifying Regular Expression strings and test them on both positive and negative test cases. The site will mainly consist of a single Regular Expression creation page where the users will give examples of strings the pattern both should and should not match with. The interface will allow them to make a regular expression easily based on those example cases.

Data

- Regular Expressions
- Matching and non-matching test cases for each expression

Potential things to discuss with Leo

- What language of code will users submit
- How do we want users to submit code (snippets of code or highlight the code)