# Anti Pattern

Team 5 Pattern Panda 03/30/2023

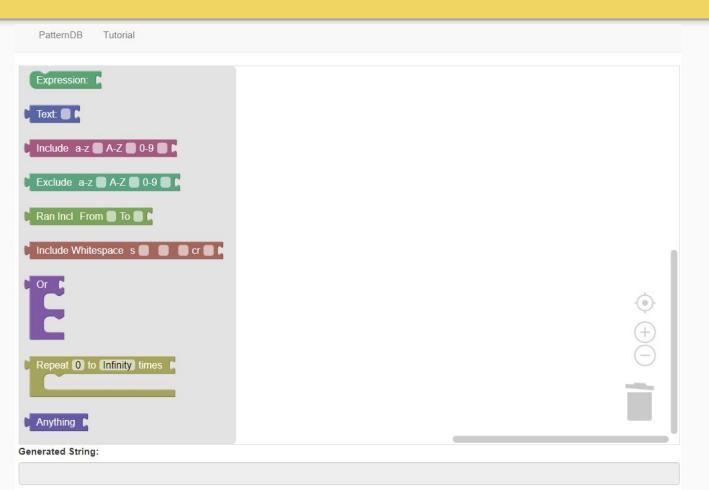
Mya Davis, Isaac Elenbaas, Maritza Gonzalez, Noah Riske, Quentin Ross, Zane Smalley, Ame Tian



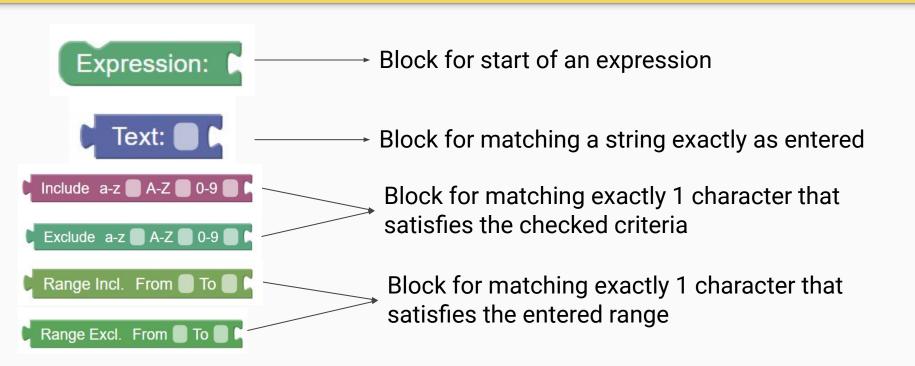
### System and Users

- System
  - Scratch like blocks for building regular expressions
- Users
  - College professor may be familiar with regex or not
  - High school teachers may be familiar with regex or not

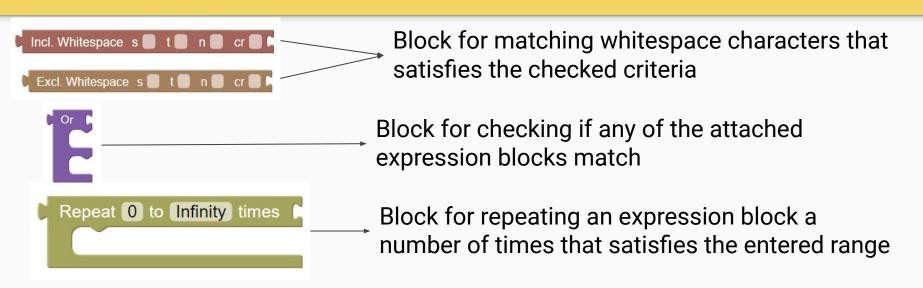
#### **UI Demonstration: Blockly Canvas**



## Instruction: Block Types



### Instruction: Block Types



#### Instruction: Using the App

- Users may connect any numbers of blocks to create the regular expression they desire.
- Users enter test cases and select whether they expect a test to pass or fail.
- When satisfied, the user can generate the regex for their own use.

### **Potential Usability Concerns**

- Regex blocks may become too long to fit on canvas or too small to read if zoomed out too much
- Users unfamiliar with regular expressions may have a steep learning curve
  - A strong tutorial is required
  - Possibly require multiple forms of tutorial

#### **Project Progress**

#### Finished:

- Most of the regex blocks
- Regex generation from the blocks

#### Plan to Finish:

- User defined test cases
- Polished tutorial page
- Error handling warnings
- Tooltips