

Library Name: Specify.js

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Library Use Case:

This library is call spdcify.js. It is a text input checker library.

Description:

This is a text input checker library. This library allow developer to set rules they want client to follow for their text input. There are buildin rules and developer can also use regex to create their own rules. Developers ca set animation when a rule is vitiated and error message that are displayed when the rule is violated. The buildin rules also have gif-like tutorial to suggest clients how to fix their input.

Features:

Uniqueness of this app is that it is very flexible and very clear, let me explain.

Programmer enters rules they want, values they are looking for, error messages to appear and animations they want to display if the rules are violated.

For starters, there are buildin rules, like `missing-front` and `missing-back`, which have buildin little gif-like tutorials that can convey clear messages to clients. This would be extremely useful for elder clients.

There are several animations like color change, shake, rotate clockwise and rotate counter clockwise that developers can choose to use when the rule is violated.

The link:

<https://specify-library-xingkun.herokuapp.com/example.html>

A structure of a buildin rule:

```
{ type: "missing-front", value: "UofT_", errorMessage: "Start with UofT_", warningColor: "Aqua", animation: "shake" }
```

This rule is a buildin rule of missing-front with value “UofT_”. If the client’s input does not start with “UofT”, error message “Start with UofT_” with be displayed at the top and a tutorial will be displayed at the button. The text box and its surrounding will shake as well.

A structure of a custumed rule:

```
{ type: "other", value: '[0-9]', errorMessage: "Must include a number", warningColor: "Aqua", animation: "rotate-c" }
```

If the type is “other”, value prop will be used for regex. The regex above will test for if there numbers in the text inputs. If this rules is violated, the error message “Must include a number” will be display above and the animation of rotating the color around the textbox clockwise will be displayed.

In the end, after all rules passed, there will be a fading out animation.

The uniqueness of this library is:

1. the little tutorials, which help the client to correct their text input
2. developer can chose animations for different rules which is something uinique

3. developer can use regex to create their own rule, which is what I do not see in other text checkers