

IDE-IT FrontEnd

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A dark blue diagonal gradient bar that starts from the bottom left corner and extends towards the top right corner, covering the lower half of the slide.

Motivation

Importance

- Powerful tools:
 - Code insight
 - Debugging
 - Resource Management

Problem

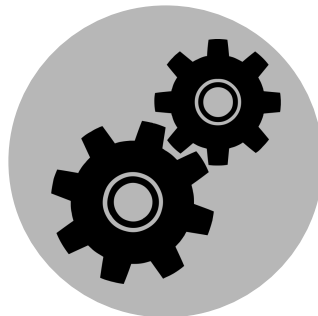
- Unused functionality
- Low discoverability



Accessibility







Awareness








Configuration








Current Approaches & Limitations

		Requires prior knowledge	Irrelevant	Interrupts Flow
<ul style="list-style-type: none">- MouseFeed- Key Promoter X 				
Features Trainer 				
Tips of the Day 				
Web Searches 				










Current Approaches & Limitations

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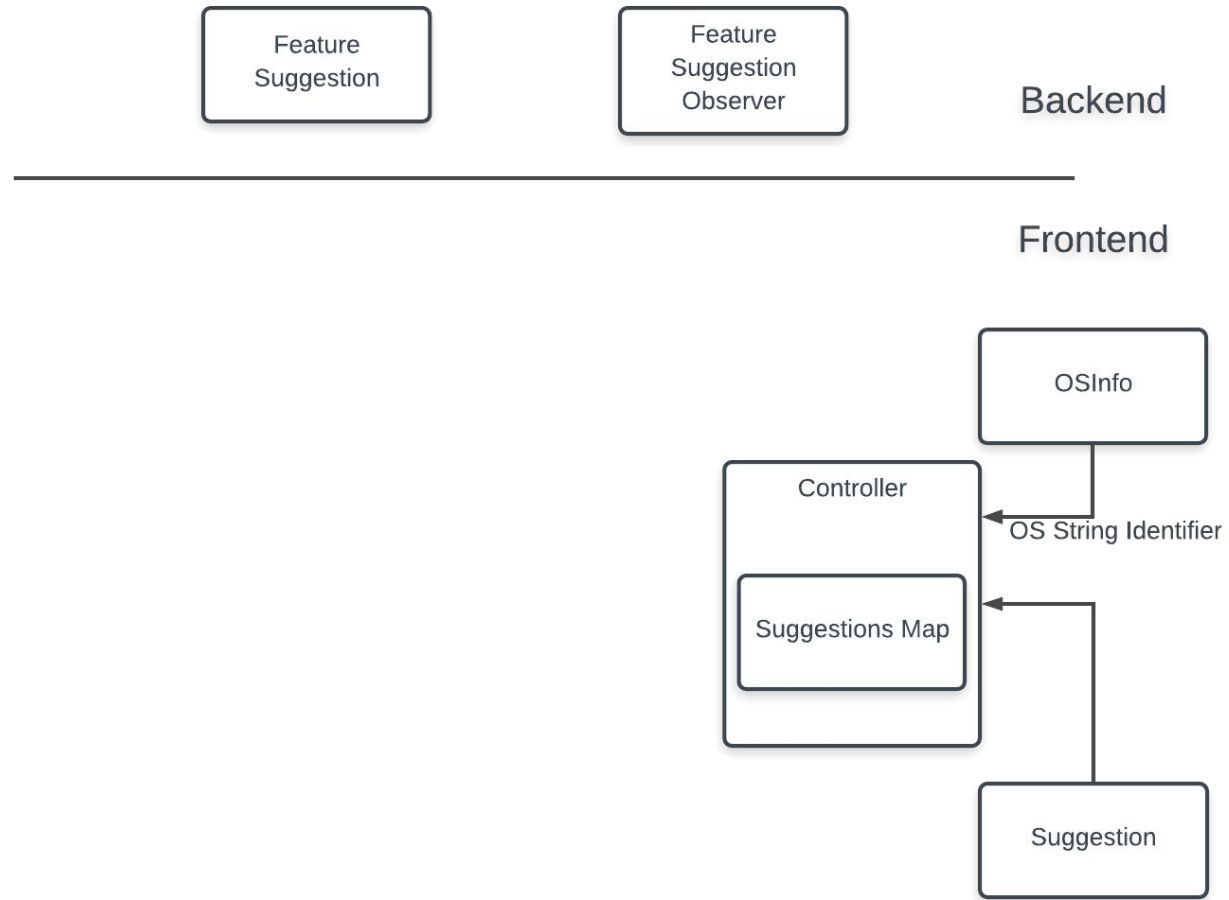
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Implementation

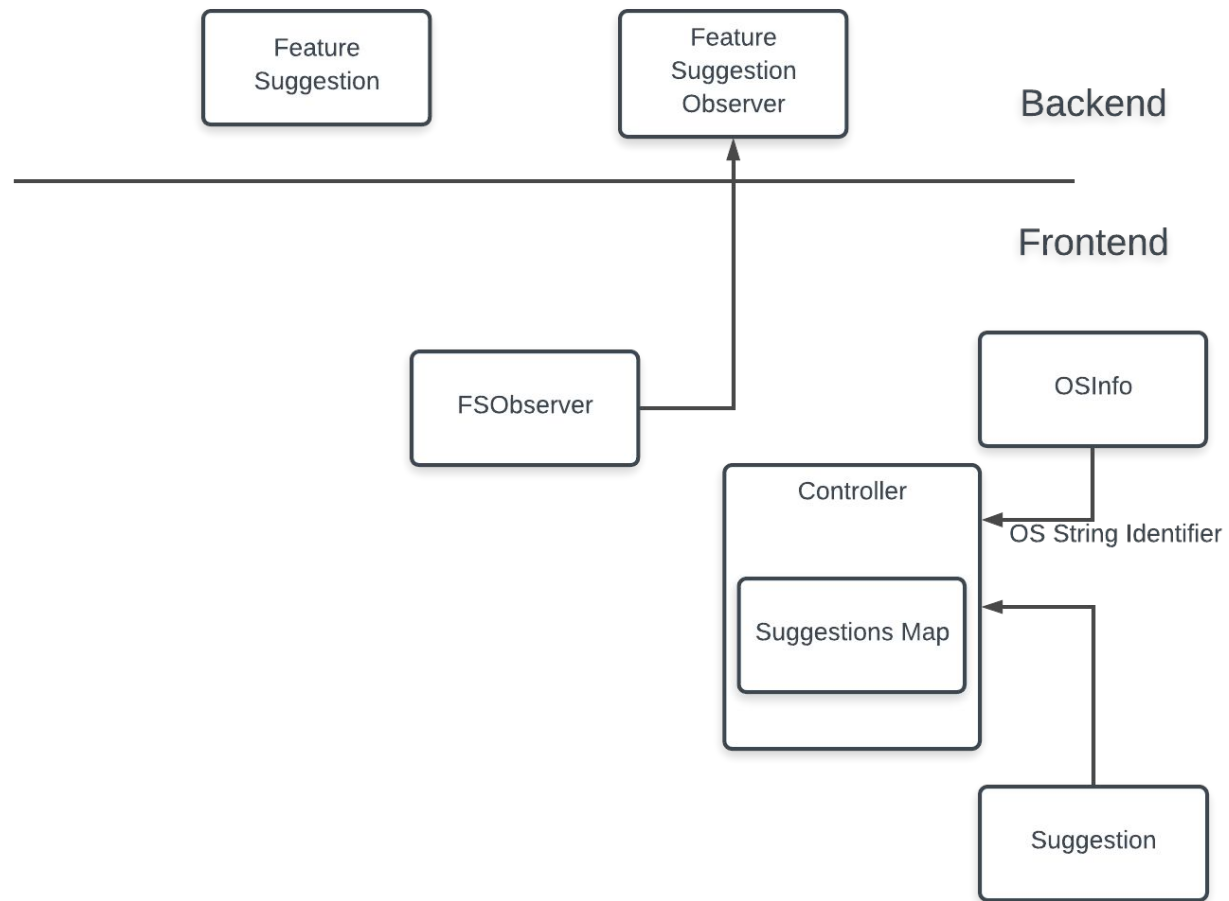
Implementation



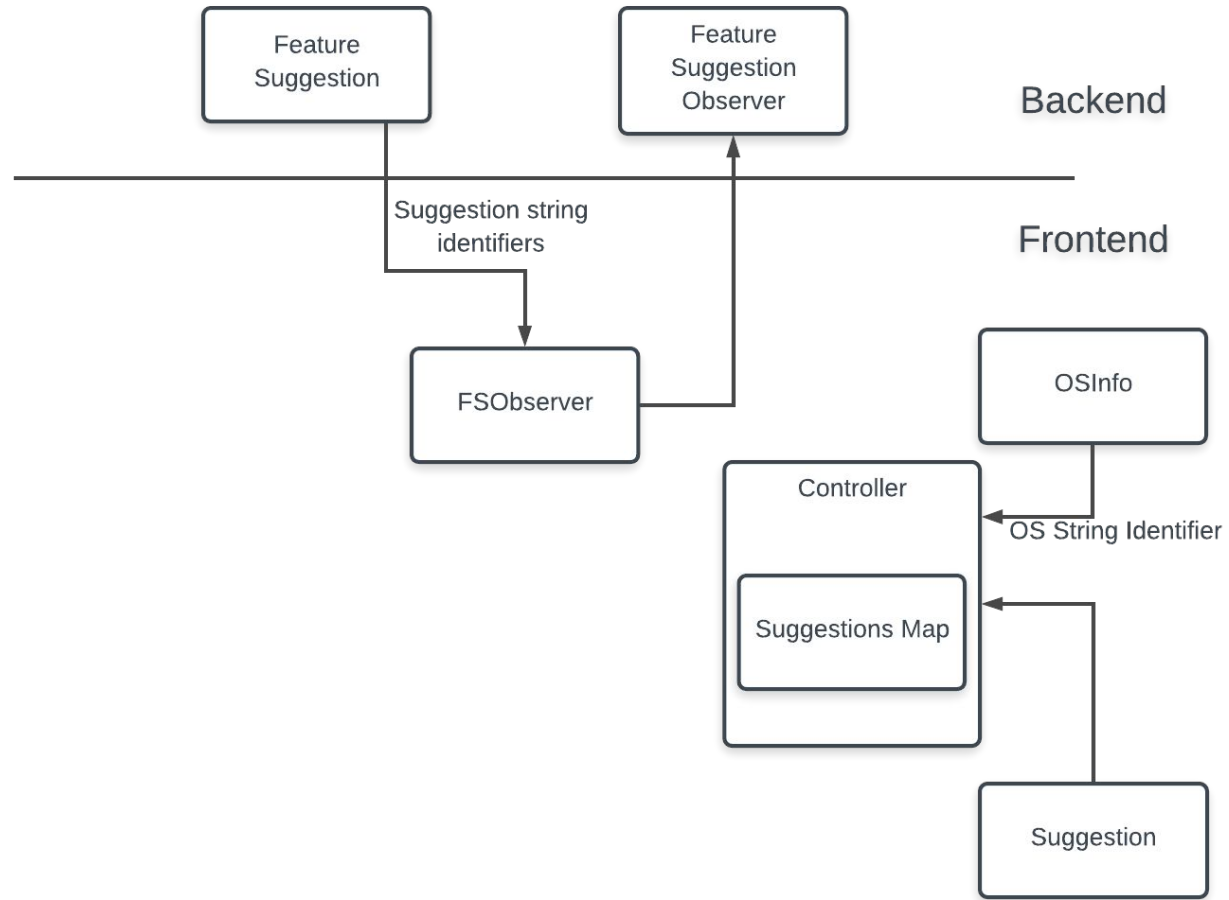
Implementation



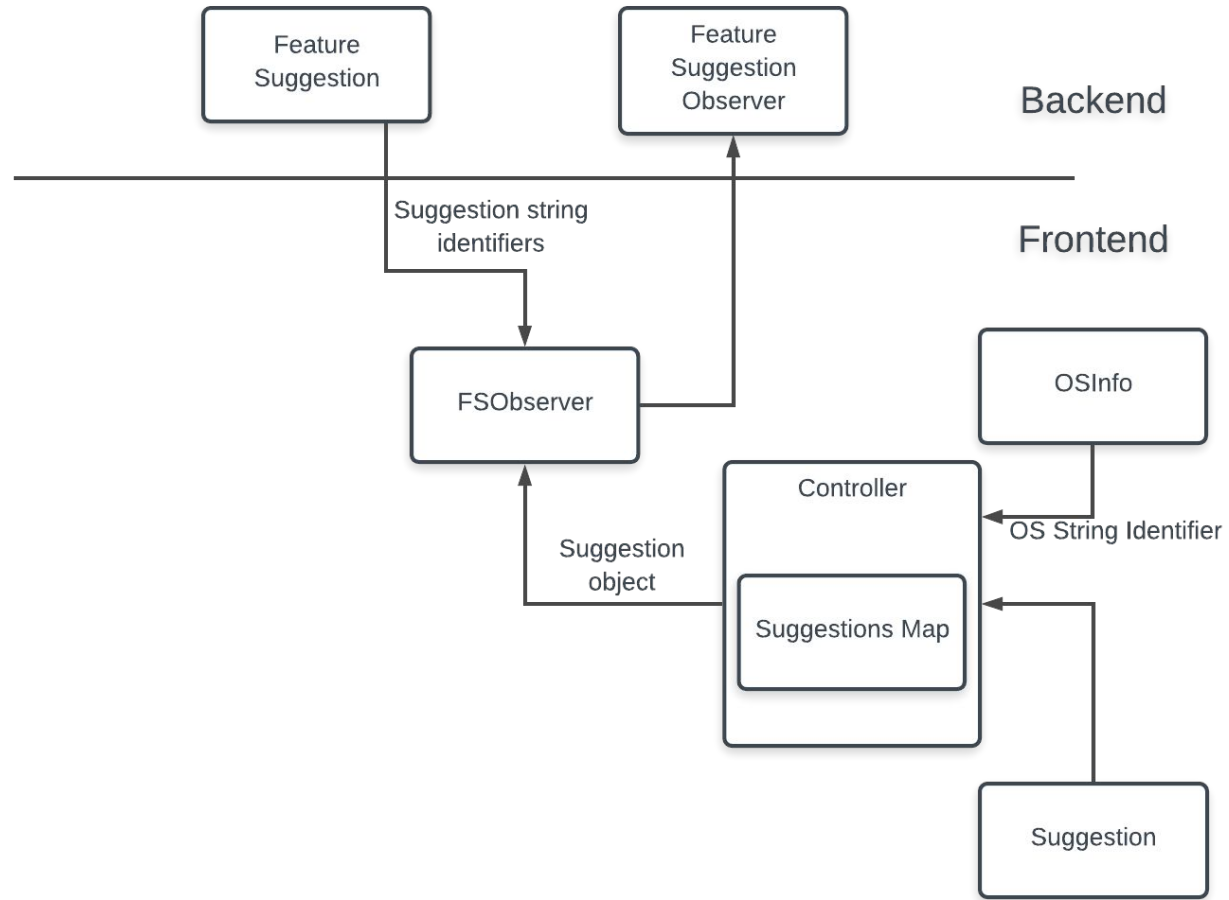
Implementation



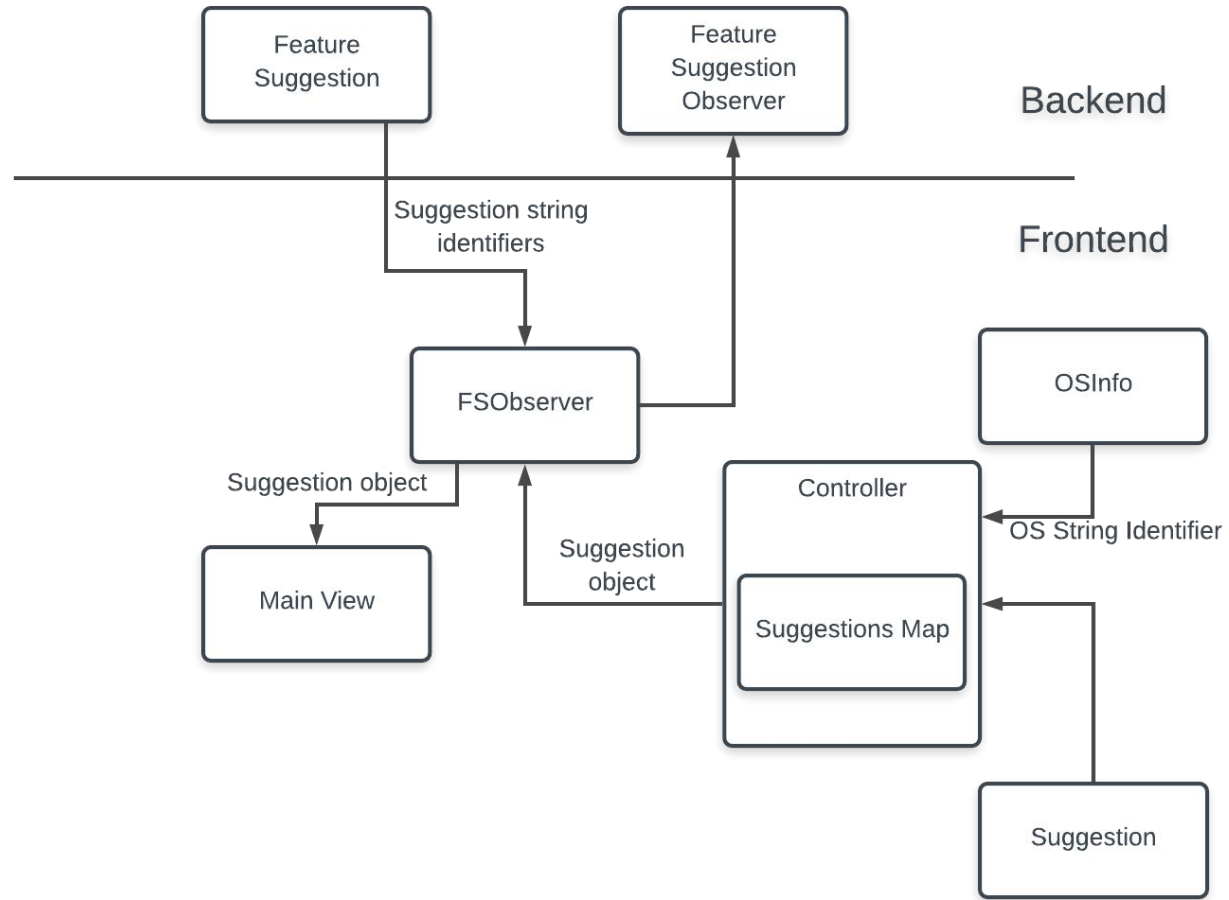
Implementation



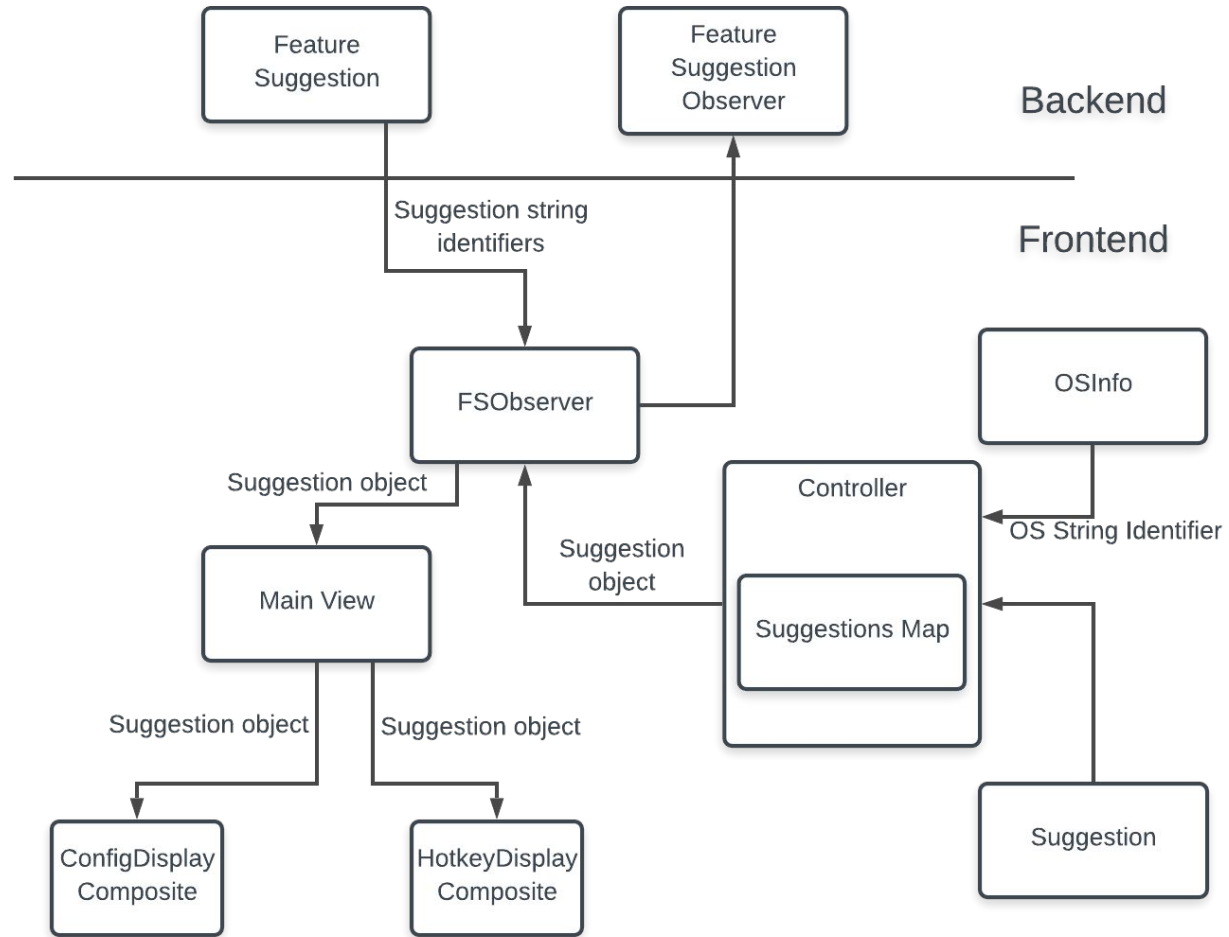
Implementation



Implementation



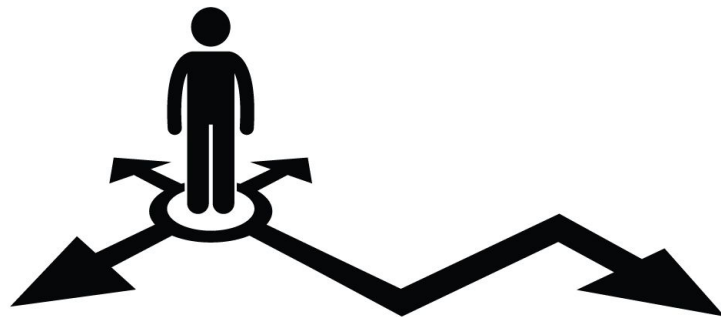
Implementation





Design Decisions

- Hotkey tips appear 3 times
- Preference suggestions appear once
- Certain preferences appear on launch
 - No backend support



Evaluation



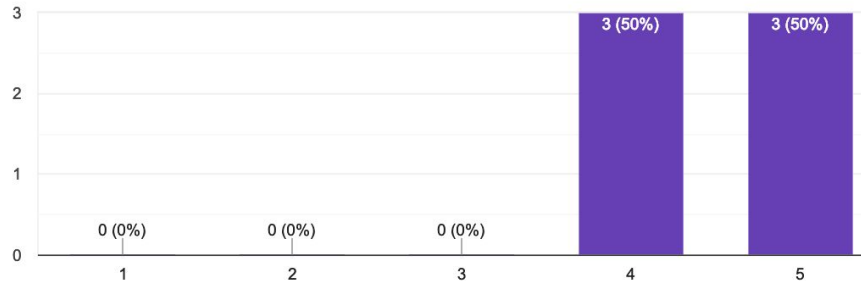
-
- Measuring success:
 - Correct functionality
 - Users response to interface
 - User testing with script
 - Follow-up survey
 - Target group: new developers
-

User Studies

Scale 1-5 (Very unsatisfied to very satisfied)

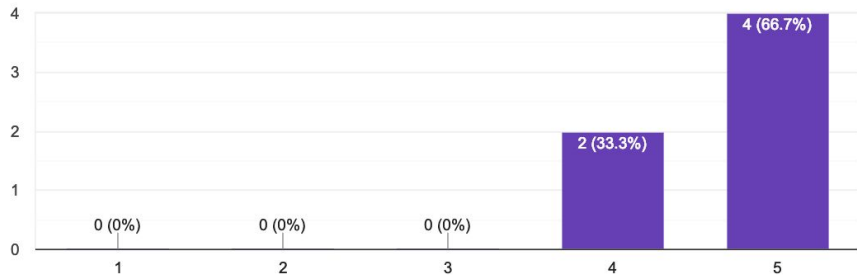
How satisfied were you with the config options that were suggested?

6 responses



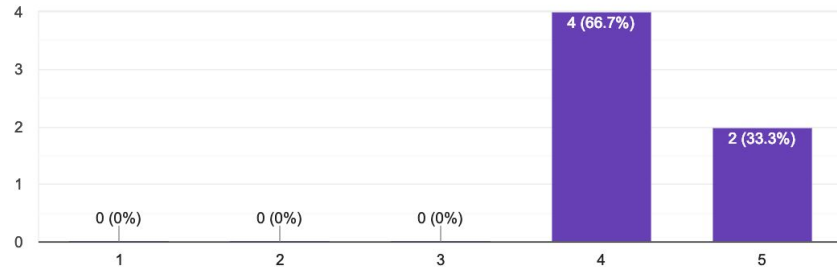
How satisfied were you with the hotkey tips that were suggested?

6 responses



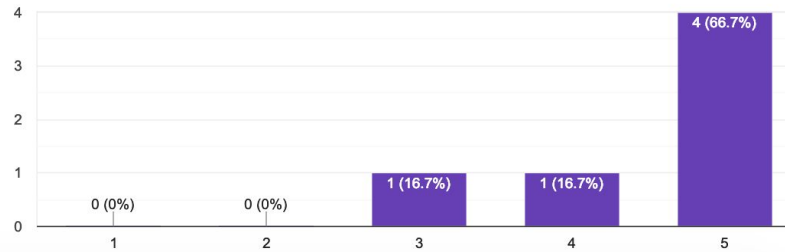
How satisfied were you with the overall design of the plugin?

6 responses



How satisfied were you with the icon design next to the hotkey suggestions?

6 responses

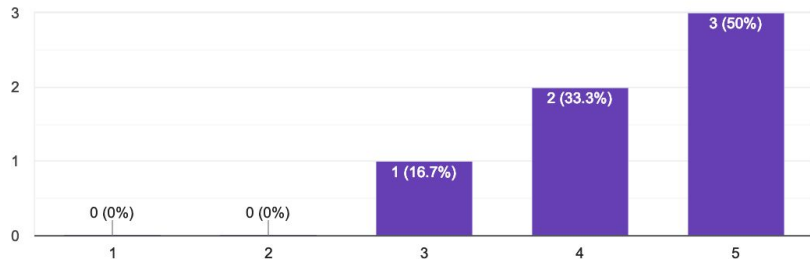


User Studies

Scale 1-5 (Very unsatisfied to very satisfied)

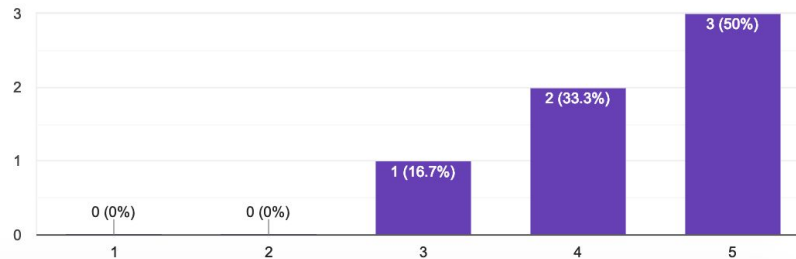
How satisfied were you with the style of the "X" button to remove suggestions?

6 responses



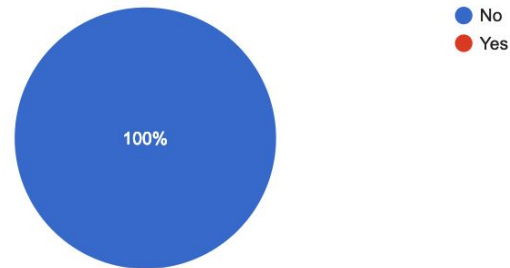
How satisfied were you with the text size in the window?

6 responses



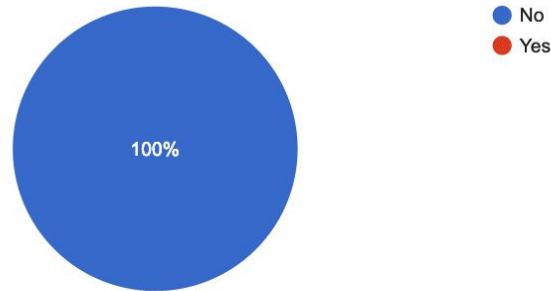
Do you feel as if this plugin slowed your development speed?

6 responses



Do you find this plugin distracting or annoying?

6 responses



User Studies

How do you feel about a hotkey tip being suggested 3 times (if you "X" out of it and then continue to not use the hotkey) and then never again? Would you like it done another way?

6 responses

no - thought it was good way to stop the nag. Only suggestion is to have a way to reset the "suppressed" items, if I decide maybe I suppressed things I don't want to suppress anymore.

I think that's an awesome feature

Maybe after you click the X once a popup could show up saying "Never show again"

I think it's smart to keep showing it because it is an error that occurs and it offers a shortcut to help fix it.

I enjoyed the friendly reminder, it only happens when I don't follow the suggestion. Can it be permanently removed as an option? Settings?

It's helpful for some suggestions when I agree with them but makes for a large screen.

Improvements



- Formatting
- More configs/hotkey tips
- Combined repo - one plugin
- Operating system addition

Future Work

- New suggestions appear at top
- Add to Eclipse marketplace
- Store users default preferences



eclipse
marketplace

Takeaways

- Use of IDEs for code insight and resource management
- Introduction of **discoverability** with an easy-to-use plugin window
- Low distractibility and workflow interruption