

## The Problem

- Technical vocabulary is often difficult for people outside of that field to understand.
- Resources such as Wikipedia can provide valuable definitions, but require a break in focus from reading the document.



- Switching between tasks increases cognitive load and decreases effectiveness of both reading and search.

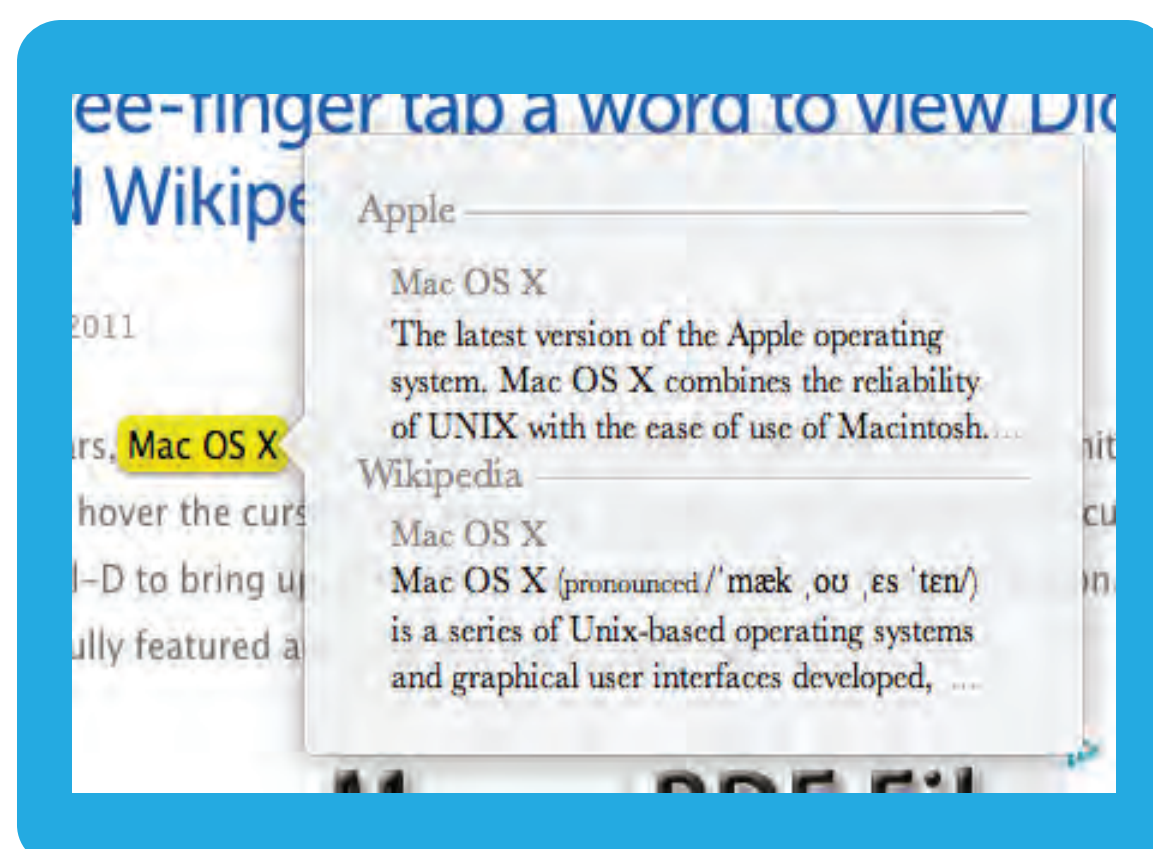
## Existing Tools



Amazon Kindle

- The Amazon Kindle draws from the Oxford English Dictionary to help users understand confusing words while reading, but the definitions are very formal, and often fail to increase comprehension.
- The Kindle allows for a search of Wikipedia as well, but the results are displayed in a separate window, outside of context.

- Apple Lion OSX makes use of both the Apple dictionary and Wikipedia to show multiple definitions for a highlighted term.



Apple Lion OSX

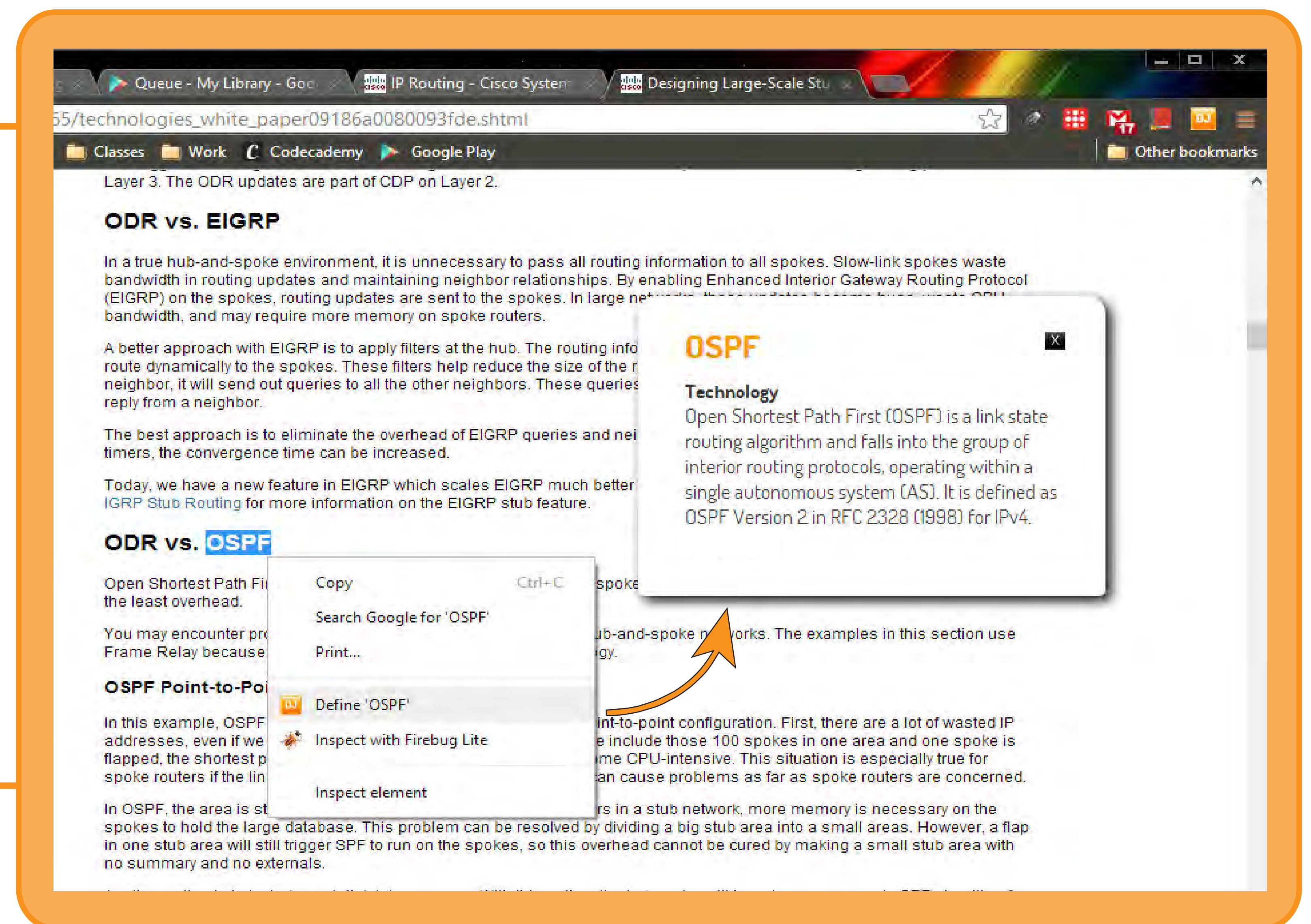
- Allows users to view the definitions in context, and gathers from multiple sources.
- The usage is limited to applications native to Lion OSX, and can therefore only serve a small proportion of users.

# D//Jargonizer

## A Tool for Reading Technical Text

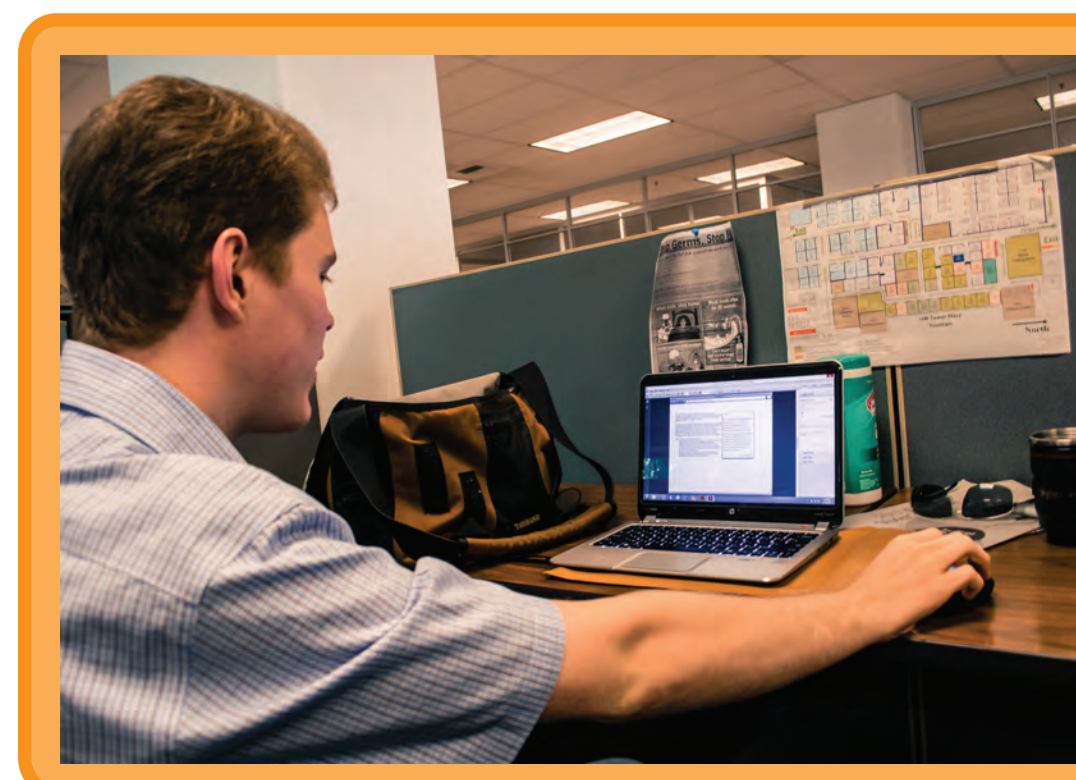
### Our Idea

- The D//Jargonizer is a free extension for the chrome web browser that provides definitions for technical terms within the browser window.
- Uses Wikipedia to provide the most contextually accurate definitions, which are more intuitive and user friendly than those provided by OED.
- Creates a readable, unobtrusive text box above the selected word.



### User Feedback

- 9 out of 10 users were able to identify how to use D//Jargonizer on the first attempt, and all 10 found the design intuitive and visually appealing.
- Opinions differed on exactly how the definitions should be displayed, with some users advocating for a sidebar on the right, while others preferred the existing layout.
- Users expressed a desire for additional features, such as adding a word to the dictionary, and customizing display options.



### Future Research

- User feedback indicates that additional features and customization options would be welcome. The most popular choices include indicating which words are available for definitions, and allowing for resizing and repositioning of the display window.
- Changing the pop-up box into a sidebar was indicated as an alternate display option, but Chrome does not currently allow for this. If this changes in the future, it would warrant further exploration.
- Expanding the compatibility of D//Jargonizer to Firefox and Internet Explorer would increase the possible user base and make the tool even more accessible.

