

# CodeGraph Project Peer Feedback

[Project Repository](#)

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For this exercise, I worked with Zeeshan Hakim and Abhishek.

## 1 General Questions

My peers believed that my objectives were interesting and creative, at least considering the target audience as the class, who all have at least some programming experience and, therefore, have experienced the pain points I mentioned in my proposal. They thought it would be helpful to be able to explore the structure of their code in other programming languages. They also agreed that my limitations were necessary to explore the best way to visualize the structure, since it is not immediately obvious. They also gave me some great ideas for what some alternative views might be. They also would prefer if there was a way to explore larger data sets (and even data sets derived from different programming languages.)

## 2 Visual Encoding

They believed by project was fairly different than a lot of the datasets we explored in class and therefore, many of the principles we discussed aren't applicable. (However, I still believe that while I am primarily focusing on trees or graphs now, many of the principles still apply.) I believe that I will eventually be using color, shape, and size to distinguish between different types of data nodes, links, or some other attribute.

## 3 Interaction and Animation

The interaction is key to my visualization, as being able to really explore the structure of the code requires the ability to focus on certain parts without extraneous details. The user needs to be able to select one part of the code, then another, then maybe change the way they are looking at it in order to solve problems, or learn about the code structure. In particular, I have multiple views that update each other. My peers suggested I even had more than one connected graph view - one simpler for structure, and one with more details, side by side. No animations is planned yet, but the expectation is that it will be simple transitions between graph states as different functions or views are selected.