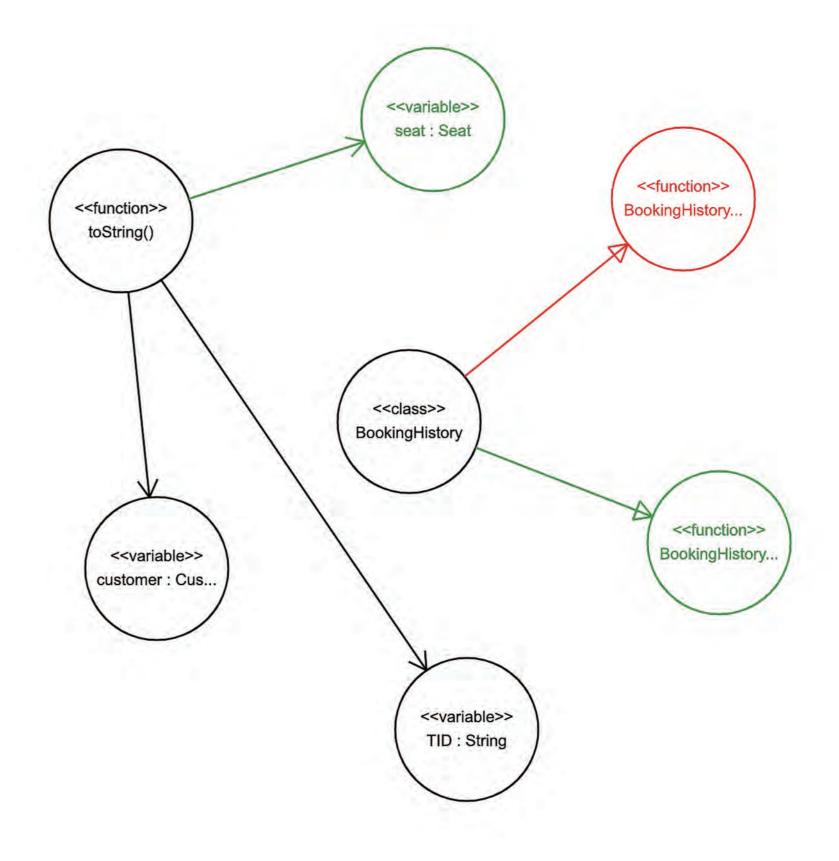
## Visual Facts: A Cross-Platform Program Fact Visualization Tool for Visualizing Code Entities and Inter-Version Changes in Java Programs

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Program facts are information about software artifacts, which can include any desired information, such as classes, functions, variables, and the relations among them. Differential facts go beyond the information about a single version they also include changes of AST nodes across versions. This project presents a desktop application to visualize intra-version program facts and inter-version differential facts.



## **Motivation and Objective**

for Visualizing Code Entities and Inter-Version Changes in Java Programs
Program facts contain useful information about programs from which developers are able to have a better understanding of the project structure. However, they're not easy to read. The project is set to visualize:

- Program facts for a single commit
- Differential facts between commits

## Implementation

The application was developed in TypeScript and backed by Electron framework for cross-platform desktop support. Under Electron, React was used as the front end framework to create the user interface, and Redux was used to manage application state.

