

Goal: Create a safe, engaging diff tool with the ability to conduct user studies .

Non-Goal: Build a complex visualization tool for merge histories and branch relationships.

Non-functional requirements and corresponding functional requirements:

Non-functional requirement 1: User Access Control

- Functional requirement:
 - Implement an access control system that allows different users to have a customized access level on the team project.
 - Implement secure authentication using OAuth for user login.

Non-functional requirement 2: Configurability for User Studies

- Functional requirement:
 - Develop an admin tool for managing, distributing A/B user tests to randomly assigned controlled group and variants.
 - Implement a tracking mechanism in SnickerSync that collects users' behaviors, to be displayed in the admin tool as user studies' response.