

## **FORMAL REQUIREMENTS:**

**Goal:** Create an engaging sync experience in SnickerSync that integrates well with GigggleGit and transform version control into a fun and collaborative process for the teams.

**Non-goal:** Resolve advanced merge conflicts or handle deeply technical conflict scenarios.

### **Non-functional requirement 1: Access Control**

- 1. Functional Requirement 1:** Only project managers and admins should be able to control and customize SnickerSync's humor settings, like adding concepts or new memes. Regular users can enjoy and see these memes but can't modify or change them.
- 2. Functional Requirement 2:** Build an intuitive interface where project managers can easily upload, organize and edit memes. These updates should be applied across all ongoing projects instantly

### **Non-Functional Requirement 2: User Study Randomization**

- 1. Functional Requirement 1:** Write an algorithm that will randomly assign users to either the control group using existing sync features, and to an experimental group using the SnickerSync interface. This will ensure a fair and unbiased approach to the user study.
- 2. Functional Requirement 2:** Create and preserve logs of how users interact with both the control and SnickerSync interfaces. Provide tools that allow project managers to preprocess and analyze the data and compare user performance across two groups