Formal Requirements

CodeChuckle is introducing a new diff tool: SnickerSync—why merge in silence when you can sync with a snicker? The PMs have a solid understanding of what it means to "sync with a snicker" and now they want to run some user studies. Your team has already created a vanilla interface capable of syncing with the base GiggleGit packages.

Complete the following tasks:

1. List one goal and one non-goal
   - One goal is to ensure that SnickerSync is intuitive for users to use. This is necessary to ensure that all data collected in the study is accurate and not due to user misunderstanding.
   - One non-goal is to make the interface pretty to use. This is not necessary to the effectiveness of the studies.
2. Create two non-functional requirements. Here are suggestions of things to think about:
   - Who has access to what
   - PMs need to be able to maintain the different snickering concepts
   - A user study needs to have random assignments of users between control groups and variants
   - Requirement 1: Access Control
      i. SnickerSync should have different configurable settings to allow PM's to mix and match users' permissions and assignments.
   - Requirement 2: User Study Configuration
      i. There must be control group and experimental groups for the study
3. For each non-functional requirement, create two functional requirements (for a grand total of four functional requirements).
   - Access Control
      i. Role Based access to configurations
         1. Only users with PM role permissions will be able to access the configuration controls.
      ii. Audit Log
         1. Display a log of all changes made by PMs to the configurations to allow for traceability for the study
   - User Study Configuration
      i. Random assignment of users to groups

1. The system must automatically and randomly assign the participants to either control or experimental groups. This must be random to avoid biases
ii. Data Logging
   1. The system must log data about the experience of each user to be analyzed for the study. I.e time spent merging, number of merges etc.