Requirements

Project Description:
CodeChuckle is introducing a new diff tool, SnickerSync—"why merge in silence when you can sync with a snicker?"

Project Requirements:
- Goal: Create a fun, intuitive diff tool that syncs with humor (e.g., using memes).
- None-Goal: Fully replacing standard Git diff tools with SnickerSync across all use cases.
- Non-Functional Requirement 1: Access Control
  - PMs need to control who can access and configure SnickerSync's settings.
  - Functional Requirements: Implement role-based access control (RBAC) for SnickerSync configurations.
    - Allow PMs to create and modify meme libraries for SnickerSync use.
- Non-Functional Requirement 2
  - User studies must allow for random assignment to control or test groups.
  - Functional Requirements: Enable random user assignment to SnickerSync variant or control groups during user studies.
    - Track user engagement and collect feedback on SnickerSync for analysis during testing phases.

Agile:

- Theme: Get GiggleGit demo into a stable enough alpha to start onboarding some adventurous clients.
- Epic: Onboarding Experience
- User story 1: As a vanilla Git power-user that has never seen GiggleGit before, I want to explore familiar Git features while easily accessing the unique capabilities of GiggleGit.
  - Task: Create an intuitive UI integrating vanilla Git features.
    - Ticket 1: Improve UI for Git basics
      - Ensure that common Git commands (e.g., commit, push, pull) are accessible and easy to find within the GiggleGit interface.
    - Ticket 2: Document Git and GiggleGit-specific features
      - Provide documentation that explains how GiggleGit's unique features (like meme-based merging) differentiate it from standard Git commands.
- User story 2: As a team lead onboarding an experienced GiggleGit user, I want to provide a more advanced introduction focusing on GiggleGit's unique merge conflict features.

- Task: Highlight and educate users on the meme-based merge system.
  - Ticket 1: Implement meme-based merge conflict resolver
    - Ensure that merge conflicts trigger a meme-based resolution suggestion. Display user-friendly prompts that guide them through resolving conflicts with humor.
  - Ticket 2: Add merge conflict case studies to user guides
    - Provide documentation and case studies illustrating how experienced users can efficiently use GiggleGit's meme-based conflict management.