

Q1

Goal: Evaluate user engagement/satisfaction of syncing with a “snicker” as opposed to merging in silence.

Non-goal: Brainstorm other alternative merging features for SnickerSync before testing the effectiveness of the “snickering” merge.

Q2, 3 - Create 2 non-functional requirements, each one has 2 functional requirements:

1. Ownership and control:

- PMs can configure the user studies, create a hierarchical access system, settings include roles and PMs can select accessibility features users get.

Functional requirements 1: Create an ‘administrative mode’. Allows PM to manage the user assignments and alter permissions.

Functional requirements 2: History log of activity. Allows PM to see decisions other PMs make, ensure other employee responsibilities are being met/prevent miscommunication as changes can be tracked.

2. Randomize user assignment to control/variant groups:

- Randomly assigning users minimizes the influence of confounding variables, and allows the team to draw cause-and-effect relationships when manipulating variables.

Functional requirements 1: Design a random assignment algorithm, and randomly assign users to either the control or experimental group when logging into SnickerSync. Ensure group sizes are relatively balanced.

Functional requirements 2: Ensure a uniform interface design, and keep the SnickerSync interface identical in groups. Make sure the only variation is the “snickering” part of the interface. This reduces the confounding variables and strengthens certainty between the “snickering” and any user differences in the groups for later analysis on effectiveness.