

CS411 Homework 2 Answers

1. Agile Slide

1.1 Answer:

As a vanilla git power-user that has never seen GiggleGit before, I want to quickly learn how to perform merges using memes so that I can complete my tasks without slowing down my workflow.

As a team lead onboarding an experienced GiggleGit user, I want to give detailed training sessions to my team so that they can leverage the unique features of GiggleGit effectively.

1.2 Answer:

User Story: As a new user of GiggleGit, I want to set up the environment on my laptop with ease so that I can start using GiggleGit quickly to complete my tasks.

Task: Create quick-start guides for the new users.

Ticket 1:

Title: Write Quick-Start Guide

Details: Write an installation guide that includes instructions on how to install and configure GiggleGit on different system types like Windows, Mac and Linux. Also, include troubleshooting steps for common issues during installation and how to handle merges with memes.

Ticket 2:

Title: Create Video Tutorials for Onboarding

Details: Record short videos explaining GiggleGit installation, setup, and basic operations. It should also give a brief overview of how to use the user interface and how to do a merge using memes.

1.3 Answer: The given user story is not correct because it doesn't mention the user's goals and benefits from the feature. It also does not mention what kind of user they are or why they want to authenticate on a new machine.

2. Formal Requirements Slide

2.1 Answer:

Goal: To conduct user studies that test the usability and effectiveness of the SnickerSync tool with various treatments and gather feedback from the users.

Non-Goal: Add new features to the current user interface for release during the user study phase.

2.2 Answer:

The two non-functional requirements are:

- (a) Only the authorized team members and product managers should have access to the user studies data, feedbacks and snickering concepts. Only they should be able to modify the design as required.
- (b) Have participants randomly assigned to different snickering concept variants and groups to avoid bias and ensure the validity of feedback collected from the user studies.

2.3 Answer:

(a) The two functional requirements for the above non-functional requirement (a) are:

- (a.1) Implement user authentication and role-based access control to allow for modifications by the authorized personal only.
- (a.2) Create an interface such that only the right product managers can access/make changes to the snickering concepts and view the data collected from user studies.

(b) The two functional requirements for the above non-functional requirement (b) are:

- (b.1) Create a random assignment algorithm that automatically assigns participants to random groups when they register for the user study.
- (b.2) Have an interface with details of all participant group assignments to track which concept each user was exposed to and ensure data integrity.