

Project requirements

Goal: Create a user-friendly, meme-driven version control system that integrates seamlessly with Git, enabling users to manage merges through humorous meme interactions while maintaining core Git functionality.

Non-Goal: Supporting thousands of simultaneous users.

Non-functional requirement 1: Security

Functional requirements:

- Use OAuth authentication to log into GiggleGit
- Securely store API keys and user data without exposing them publicly on GitHub or elsewhere.

Non-functional requirement 2: Scalability

Functional requirements:

- Ensure that GiggleGit can support up to 100 simultaneous users during the demo period.
- Provide a system that can dynamically allocate resources for meme-based merges as user activity increases.

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 feel confident that using this system won't disrupt my workflow."

- **Task:** Provide clear onboarding documentation to ease the transition to GiggleGit.
- **Ticket 1:** Write documentation outlining the similarities and differences between Git and GiggleGit.
 - **Details:** Create a user guide comparing standard Git commands to their equivalent in GiggleGit.
- **Ticket 2:** Implement an onboarding flow that includes a tutorial.
 - **Details:** Build an in-app interactive tutorial that introduces power-users to the unique features of GiggleGit.

User Story 2:

"As a team lead onboarding an experienced GigggleGit user, I want to quickly set up my team and start using the tool."

- **Task:** Provide easy setup tools and management features.
- **Ticket 1:** Create a user management dashboard.
 - **Details:** Implement a dashboard where team leads can add and remove users, as well as manage roles and permissions.
- **Ticket 2:** Add team management functionality.
 - **Details:** Provide functionality that allows team leads to organize users into teams and assign specific tasks related to their projects.

User Story 3 (Create one new story):

"As a new user, I want to quickly understand how memes are used in version control so I can engage with the tool's unique features."

- **Task:** Make it easy to understand and engage with the meme-based merging feature.
- **Ticket 1:** Design a quickstart guide for meme-based merges.
 - **Details:** Write an explanation and guide for users on how memes are integrated into the merging process, including examples.
- **Ticket 2:** Build a feature where users can choose or upload memes for merges.
 - **Details:** Implement functionality allowing users to select or upload memes, and use them during the merging process.