

GitHub Go

By Team 10

CSC-4350 TR

Purpose of the Software System

- To provide information regarding the project, given a username and repository name.
- The site will provide a visual representation of a user's contribution to a project.
 - Number of pull requests
 - Number of commits
 - Contribution to code reviews
 - Number of comments all individuals have contributed
- Additional features:
 - Given a file name, the software will provide an easy-to-navigate view of the last individual that modified each line of the given file.

A large, dark gray brushstroke graphic that serves as a background for the title text. It has a rough, hand-painted appearance with varying thickness and texture.

Technical platforms

IDE



Visual Studio Code

- Testing and debugging tools available
- Extensions Marketplace
- Development Platform support
- Architecture and Modeling tools available
- Easy to navigate
- High performance

Front-End



- Virtual DOM
- Reusable components
- Easy to learn and use
- High performance
- Portable
- High community of support
- Open source
- Client-side rendering (CSR)

Version Controlling



- Tracks and logs the changes of a file or file sets over time
- Maintains data integrity
- Gives the ability to restore to the earlier versions
- Branching functionality

Source Code Management and Hosting



- Git repository hosting service
- Source code sharing
- Built-in control and task-management tools
- Interactive GUI
- Static website hosting
- GitHub API

API Testing



POSTMAN

- Interactive GUI for API testing

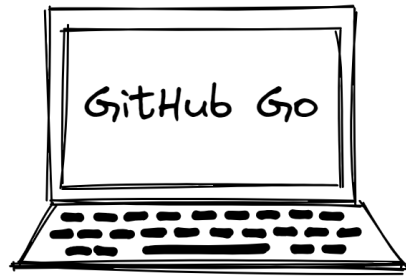


Storyboards

Storyboard 1

1

Visits GitHub Go



John Doe is a manager who wants to check how much his team member contributed to the GitHub project.

2

Username
Repository name

Submit

John enters the username and repository name

3



user

Contributions

Pull requests

Commits

Code reviews

John sees the list of contributions the username has.

Storyboard 2

1

Visits GitHub Go



Jane Doe is a developer who was working on a file, and she found out that someone had changed her code. She wants to track the person who changed her code.

2

Username
Repository name
File path

Submit

Jane enters the username, repository name, and file path.

3

File

1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
:		

Jane sees the last individual that modified each line of the given file.

Thank you!