

(PART II: 50 points) Requirements Specification:

Creating a GitHub Repository

- Initiating a New Repository: To create a repository, navigate to the upper-right corner of any GitHub page, select your profile icon, and click "New repository".
- Naming and Describing the Repository: Provide a short, memorable name for your repository and an optional description to explain its purpose.
- Setting Repository Visibility: Choose between public or private visibility for your repository.
- Initializing with a README: Opt to initialize the repository with a README file, which is essential for describing the project.
- Creating the Repository: Finally, click "Create repository" to complete the setup.

Committing the First Change

- Editing the README File: In your repository, select the README.md file and click the edit icon to make changes.
- Adding Personal Information: Update the README with relevant information about yourself or the project.
- Previewing Changes: Use the Preview tab to review the changes you've made.
- Committing Changes: Write a meaningful commit message and choose whether to add your commit to the current branch or create a new one. Then click "Commit changes" or "Propose changes".

Creating Issues

- Navigating to Issues: On your repository's main page, click the "Issues" tab.
- Starting a New Issue: Click "New issue". If your repository has issue templates, select the appropriate one or choose to open a blank issue.
- Filling Issue Details: Provide a title and a detailed description of the issue.
- Assignment and Labeling (for maintainers): As a project maintainer, you can assign the issue to someone, add it to a project board, associate it with a milestone, or apply labels.
- Submitting the Issue: Once all details are filled in, click "Submit new issue".

Approving Issues (Pull Requests)

- Accessing Pull Requests: Under your repository name, click on the "Pull Requests" tab.
- Selecting a Pull Request: Choose the pull request you wish to review.
- Reviewing Changes: Click on "Files changed" to review the alterations in the pull request.
- Commenting and Approving: After reviewing, you can leave comments, suggest improvements, or approve the changes.
- Submitting Review: Type your feedback and select "Approve" to approve the pull request, then click "Submit Review".