Git Part -2

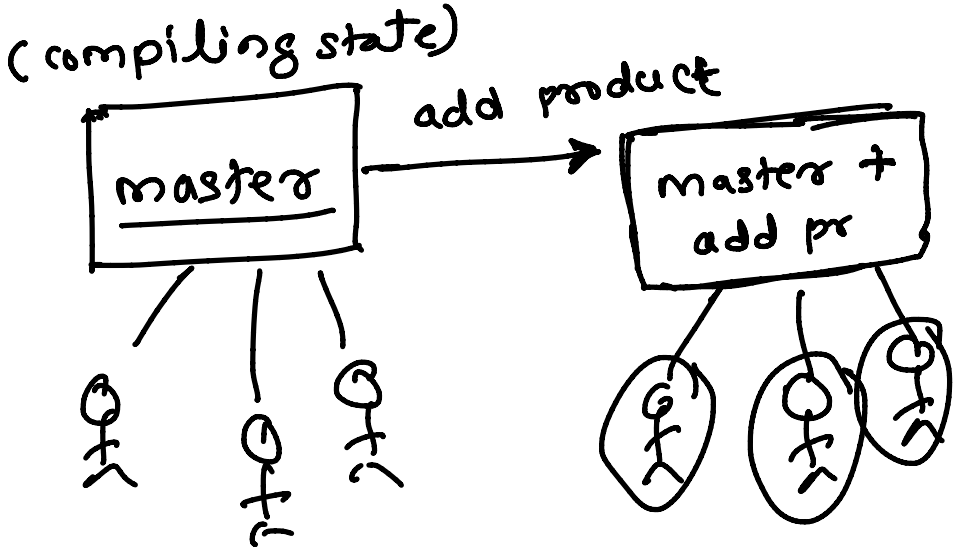

GitHub

Introduction

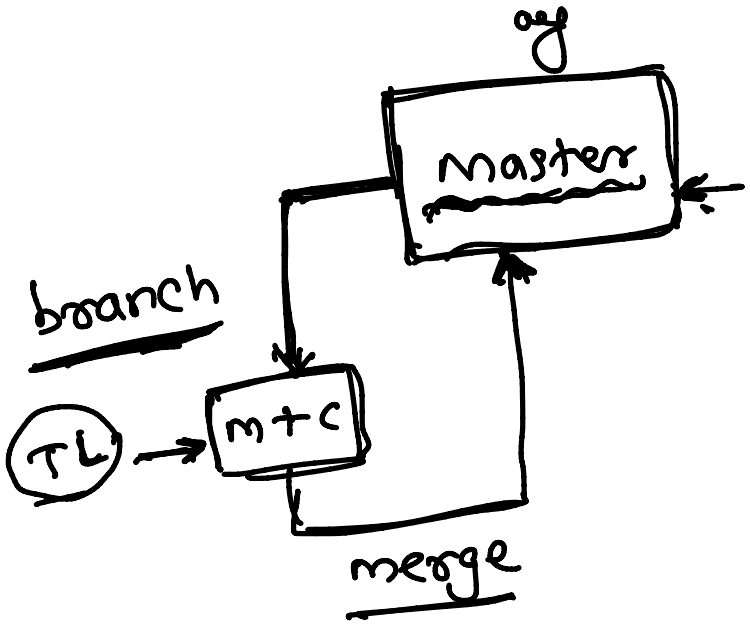
- GitHub is a web-based hosting service for version control using Git
- It provides access control and several collaboration features
  - bug tracking
  - feature requests
  - task management
  - wikis for every project
- Developer uses github for sharing repositories with other developers

Workflow

- Create a project on GitHub
- Clone repository on the local machine
- Add/modify code locally
- Commit the code locally
- Push the code to the GitHub repository
- Allow other developers to get the code by using git pull operations

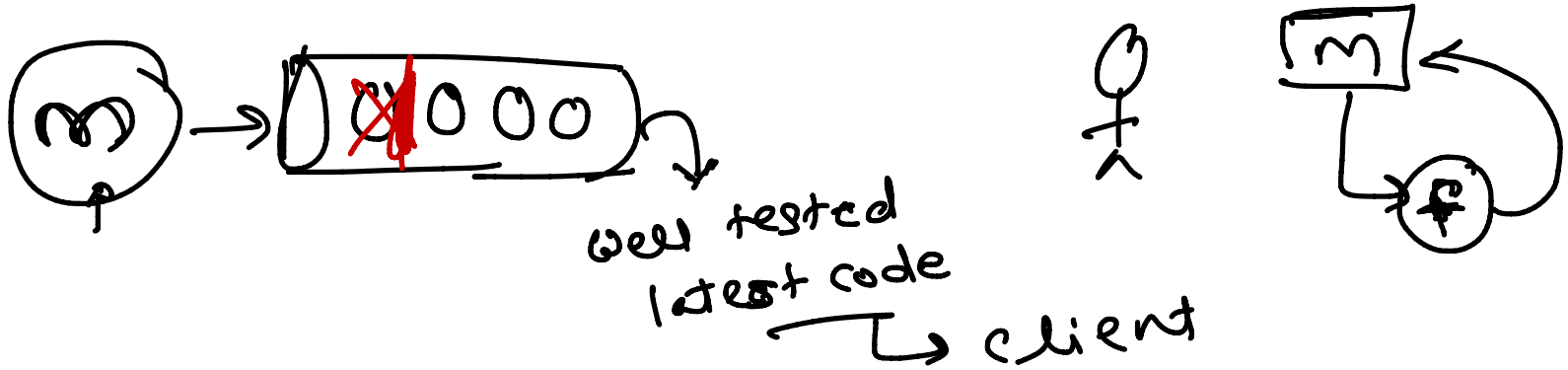


" master. alw s clean & latest compiling "



Branches

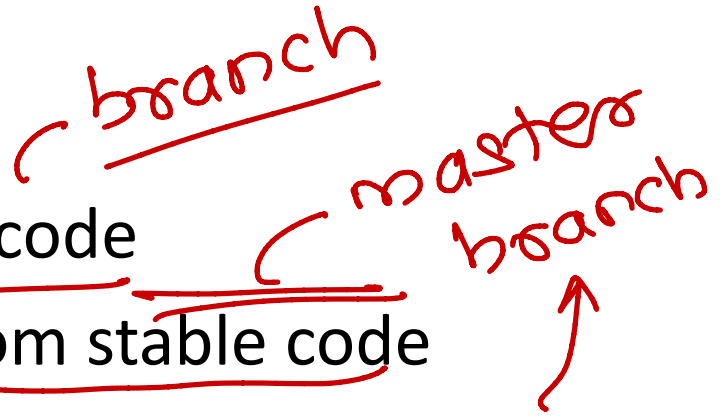
Branch



- Allows another line of development
- A way to write code without affecting the rest of your team
- Generally used for feature development
- Once confirmed the feature is working you can merge the branch in the master branch and release the build to customers

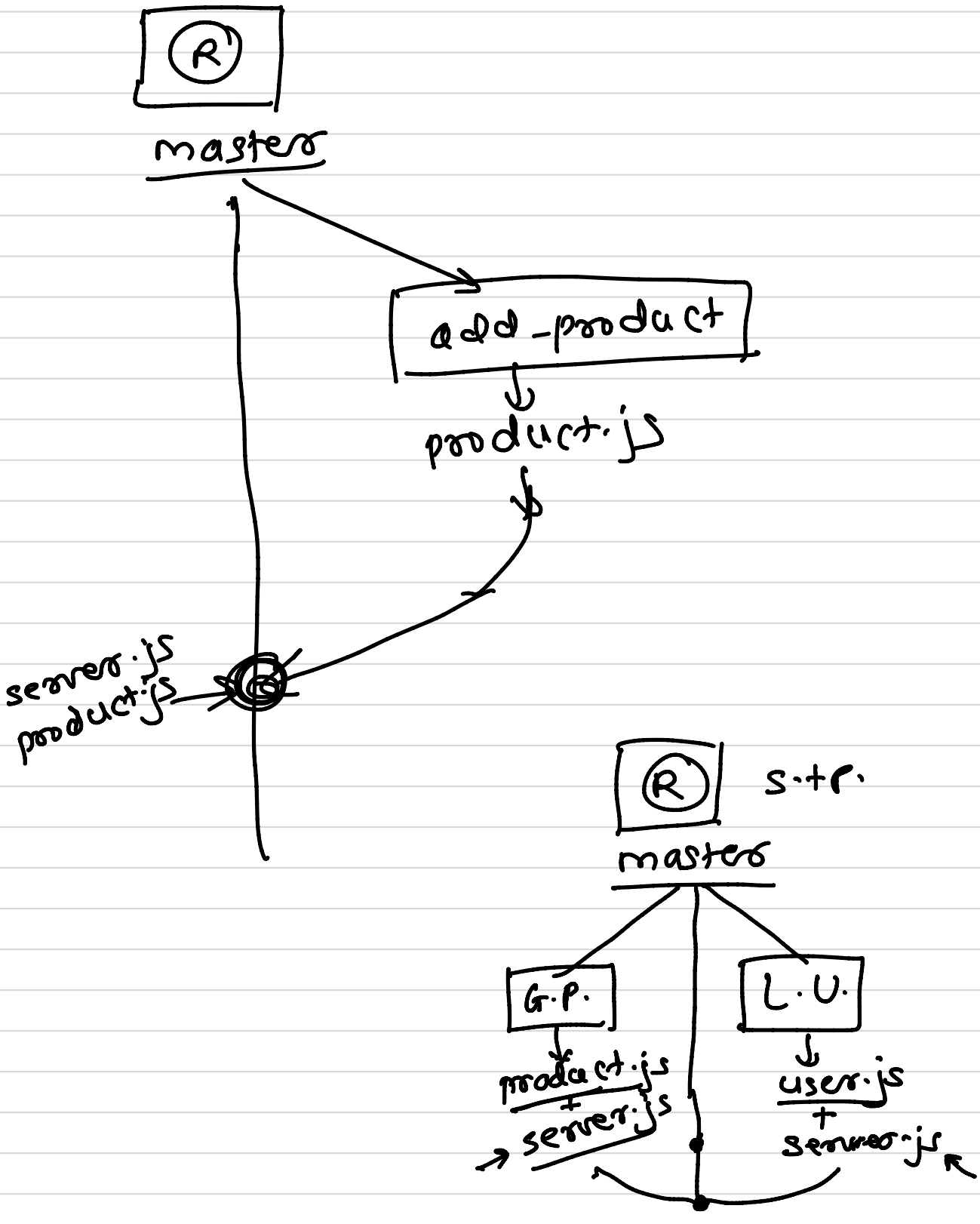
Why it is required ?

- So that you can work independently
- There will not be any conflicts with main code
- You can keep unstable code separated from stable code
- You can manage different features keeping away the main line code and there wont be any impact of the features on the main code



Workflow

- Create/clone a repository
- Create a branch before starting new feature
- Add/modify the code in the new branch
- Test and commit the code locally
- Push the code to the remote repository
- Create a pull request
- Let the collaborator check the code and merge the branch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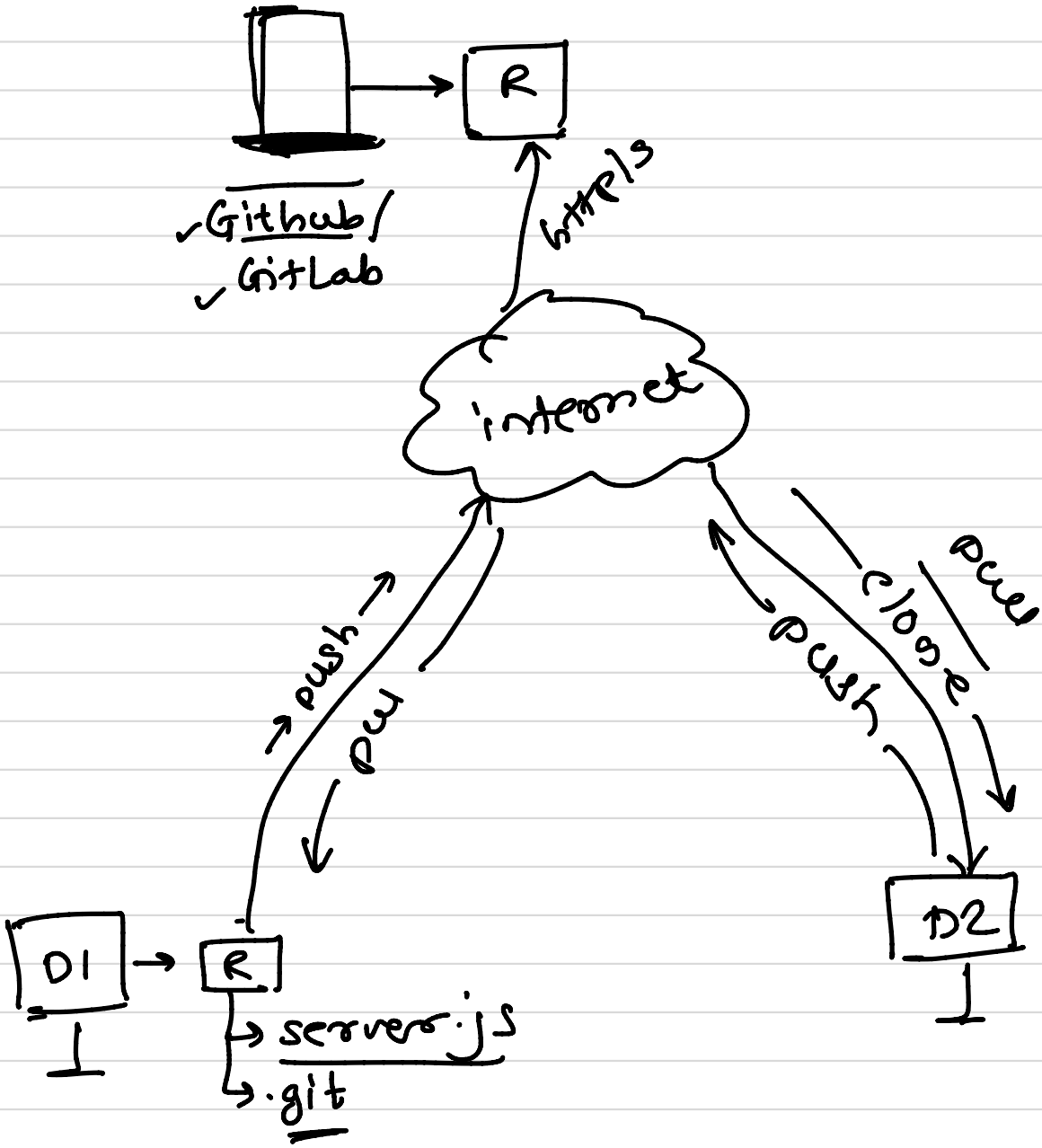
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