**GitHub.**

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**Report.**

By

Giritharan V

**GitHub:**

GitHub is a web-based version-control and collaboration platform for software developers. It allows developers to collaborate on a project more effectively by providing tools for managing possibly conflicting changes from multiple developers.

**Understanding the GitHub Flow:**

* **Create Branch**

Branching is a core concept in Git, and the entire GitHub flow is based upon it. There's only one rule anything in the Master branch is always deployable.

* **Add commits**

After create Branch to start making changes Whenever you add, edit, or delete a file, you're making a commit, and adding them to branch.

* **Pull Request**

Pull Requests are useful for contributing to open source projects and for managing changes to shared repositories. help start code review and conversation about proposed changes before they're merged into the master branch.

* **Discuss and review code**

After Pull Request has been opened, the person or team reviewing your changes may have questions or comments.

* **Deploy**

With GitHub deploy from a branch for final testing in before merging to master.

* **Merge**

Once merged, Pull Requests preserve a record of the historical changes to your code.

**Basic work flow:**

* **Init**

To Create a new repository using this git Init Command *$ git init*

* **Clone**

Use the git clone command to copy remote repository into your local machine

*$ git clone*

* **Pull**

Pull requests let you tell others about changes you've pushed to a GitHub repository*$ git pull*

* **Modify**

Working a local machine manipulate the files like add a new files, remove and modify existing files.

* **Commit**

A Git commit is a snapshot of the hierarchy (Git tree) and the contents of the files (Git blob) in a Git repository

* **Push**

The git push command is used to upload local repository to a remote repository *$ git push*

* **Status** - The status API with an error, failure , pending , or success state.

*$ git status*

**Installation:**

These commands are installation of github in frontend and middle ware

1. $ git checkout development
2. $ git Pull
3. $ npm install
4. $ npm run start

**Database:**

These commands are installation of github in Database.

1. $ git checkout development
2. $ npm install
3. $ npm install db-migrate
4. $ db-migrate

**Softwares:**

Front-end - React

Middleware - Nodejs

Backend db - Postgres