

Mastering Git and GitHub

Project Statement

edureka!

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Project

Problem Statement

Focus: Design & operate VCS

Business challenge/requirement

You are hired as Infrastructure Support for new Project where your task is to create new pipeline to support Project.

Project is to build a wallet where you can add / withdraw money. You can fork the code for the project from the link given below:

<https://github.com/edureka-devops/walletAPI.git>

As a DevOps engineer your task is to suggest a VCS and how each developer should follow to check in code in remote repository.

1. Suggest VCS
2. Submit strategy how each developer will use

As a Lead developer your task are:

1. To create one master repository where you will commit interfaces so other developers can follow same approach
2. To create Feature Branch and provide implementation of different features and once testing is done, you need to merge in release branch

As a Junior developer your task is:

1. To create new Branch & add logging. Once Testing is done, you need to merge in release branch

Once testing is done and release branch is deployed, you need to merge in master.

In the course modules you have worked on various commands of GIT, GIT using GIT-Bash & Git Flow. You must have fair understanding of all things related to GIT.

In this certification project, we will use the knowledge acquired in complete Git course as well as here you will design branching strategy and pipeline (Which of the commit should be proceed to any environment DEV/QA/UAT/PROD).

Business benefits:

1. This will help developers to work on their respective tasks.
2. Less conflicts as each developer will work in his own branch
3. QA testing will be easy, so no one will point on each other

4. Integration testing will be easy as this will start post Unit testing & QA on feature branch
5. Easy to deploy individual branch in Jenkins

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