Write Up file for Git and Github

Description

Create a branching model to help your team understand the Git Feature Branch Workflow for faster and efficient integration of work

<u>Background of the problem statement:</u>

M-theta Technology Solutions hired you as a DevOps Architect. It is undergoing an infrastructural change to implement DevOps to develop and deliver the products. Since M-theta is an Agile organization, they follow the Scrum methodology to develop the projects incrementally. Hence, the company wants to adopt Git as a Source Code Management (SCM) tool for faster integration of work and smooth transition into DevOps.

So, as a DevOps Architect, you have been asked to build a branching model to demonstrate the Git Feature Branch Workflow for the company's engineering team. In the branching model, you are required to create a Production branch which will act as the main (master) branch, an Integration branch which will again have two branches inside it namely Feature 1 and Feature 2, and a Hotfix branch which will be used for fixing any issues that could come up from Integration or Production branches.

Production Branch

Integration Branch

Hot Fix Branch

Feature 1

Feature 2

Merge

Rebase

Merge

Merge

Merge

Merge

Merge

Merge

Merge

Merge