Activity Diagram for KanBan Branch Model

Feature	Dev	Staging	Prod

Create Feature Branch

Do Work

Fail

Test in Isolation

Pass

Merge Feature Into Dev

Fail

Test Feature in Dev

Fail

Pass

Merge Feature into Staging

Build Branch and Deploy to Staging

Test Feature
in Staging

Pass

Merge Feature into Prod

Delete Feature Branch

Build Branch and Deploy to
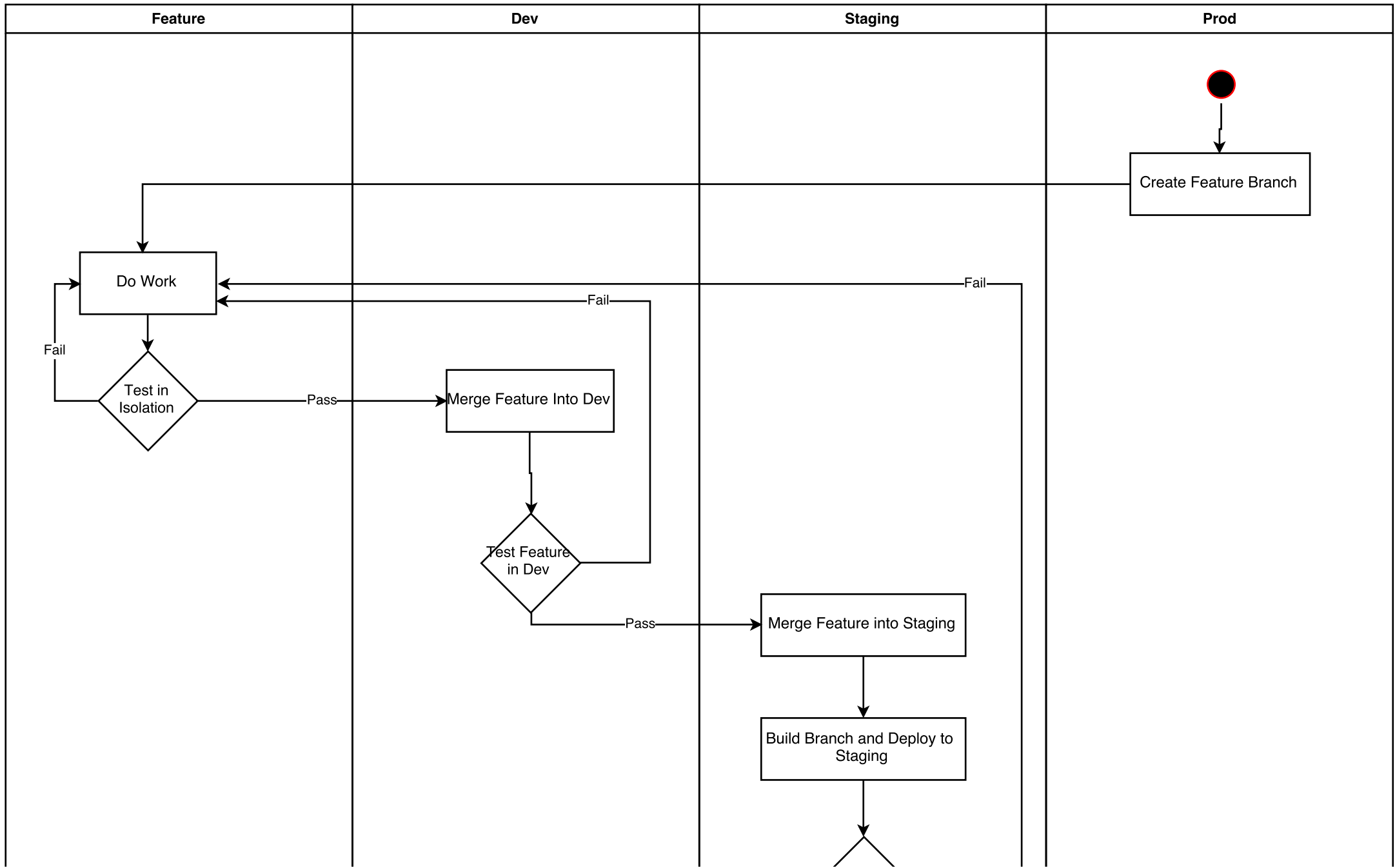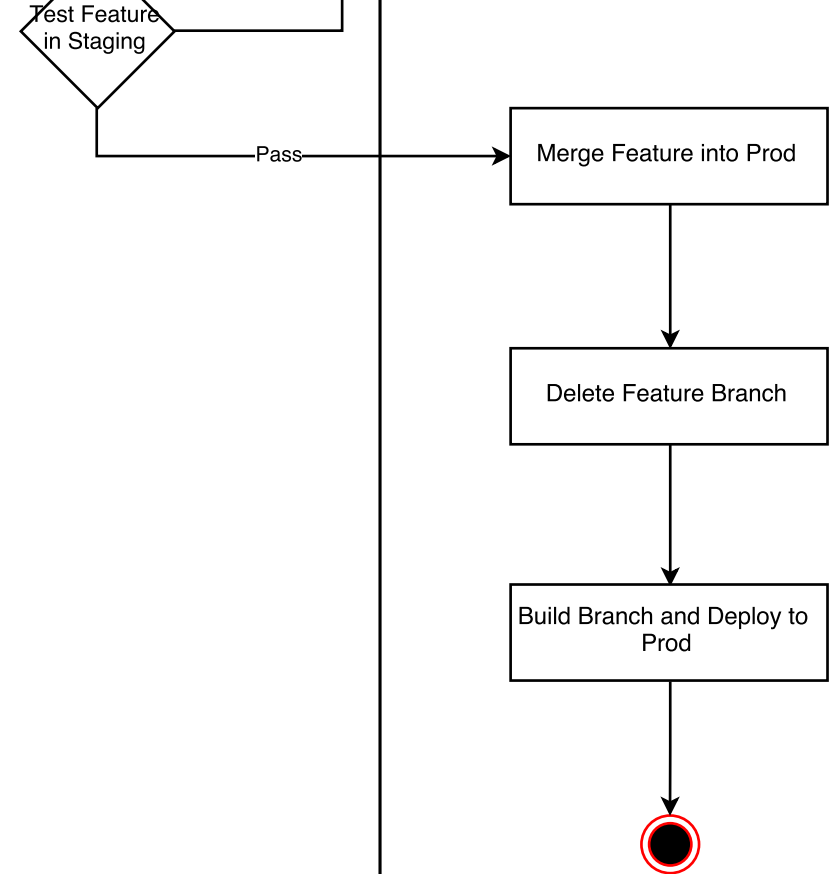Prod

Assumptions

1. Transitions between branches assumes checkout of destination branch and any other required git process.
2. Failure in Prod branch assumes rollback strategy and creation of new feature branch.
3. Testing is assumed to be multifaceted.
4. Any other environment can be added between "Staging" and "Prod" for further testing.
5. A feature merged into "Prod" has been approved by all relevant stakeholders
6. The Actor performing the feature merges is not necessarily responsible for deploying the build.