We follow a **structured branching model** to keep development organized and maintain code stability at every stage.

**1. main Branch**

* **Purpose**: Contains the stable, production-ready version of the application.
* **Usage**:
  + Only thoroughly tested and approved code is merged here.
  + Every merge into main should represent a **working milestone** or a **release**.
* **Access**: Protected branch (if applicable) — Pull Requests (PRs) and reviews are required.

**2. testing Branch**

* **Purpose**: Acts as a staging ground to test features before they are promoted to main.
* **Usage**:
  + We as Developers merge completed feature branches into testing for integration testing.
  + Conflicts are resolved here before the code reaches main.
  + Used by QA or team members to run manual or automated tests on new features.
* **Access**: Open for PRs from features/\*.

**3. features Branch**

* **Purpose**: Base branch for creating individual feature branches.
* **Structure**:
  + All new development starts from this branch.
  + Developers create a new branch off of features
* **Usage**:
  + Individual feature development and bug fixes happen here.
  + Once completed and tested locally, feature branches are merged into testing.