Git Workflow Guidelines:

To ensure a smooth and conflict-free development process, please follow the Git workflow guidelines outlined below:

🔷 **Git Workflow Guidelines**

Consider that **Koushik, Anirban, and Tanmay are developers (team members)** working on the same project.

1. Individual Development Branches

- **koushik** will push all commits to the **koushik** branch.
- **anirban** will push all commits to the **anirban** branch.
- **tanmay** will push all commits to the **tanmay** branch.

👉 Please make sure to use **only your assigned branch** for all development work and local testing.

2. Merge to Development Branch (Shared dev Branch)

- Once your changes are successfully tested locally, push the stable code to the **dev** branch.
- The other collaborators should then **pull the latest changes from dev**, integrate them locally, and resolve any conflicts if needed.
- This ensures everyone is working with the latest stable and tested code.

3. Merge to Main Branch (Production Release)

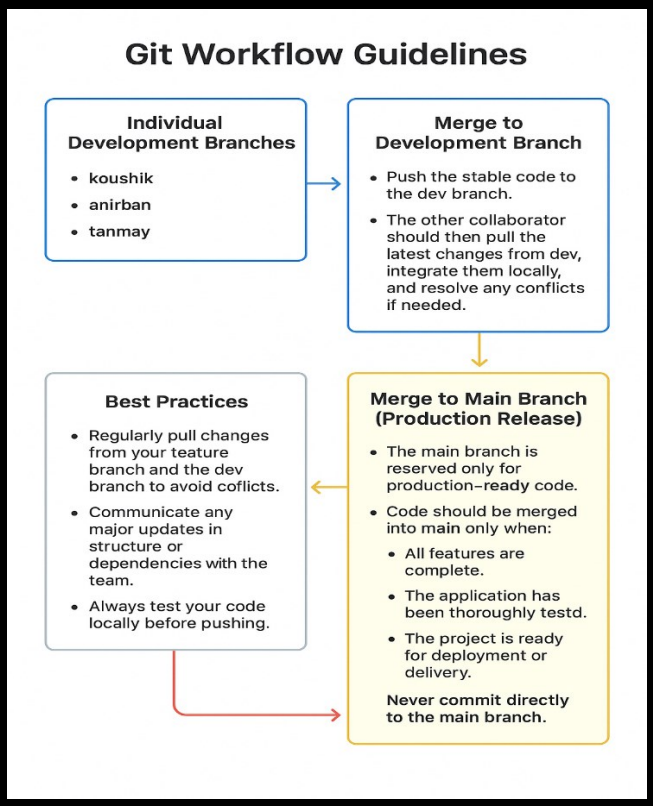
- The **main** branch is **reserved only for production-ready code**.
- Code should be merged into **main** only when:
    - All features are complete.
    - The application has been thoroughly tested.
    - The project is ready for deployment or delivery.

⚠️ **Never commit directly to the main branch.**
All changes must go through the **dev** branch before being merged into **main**.

4. Best Practices

- Regularly **pull changes** from your feature branch and the dev branch to avoid conflicts.
- Communicate any **major updates** in structure or dependencies with the team.
- Always **test your code locally** before pushing.

✅ Request: I kindly ask everyone to follow this workflow consistently to keep our development process clean and efficient.



🔄 **Git Workflow Practice (with Different Accounts)**

Consider that **Koushik, Anirban, and Tanmay are developers (team members)** working on the same project.

🔹 **Setup**

1. **Each developer clones the repo** with their own GitHub account:

   git init

   git clone https://github.com/tanmayMt/benda-project-hiring-process.git

   cd benda-project-hiring-process

2. **Set your username & email** (so commits are tracked correctly):

   git config user.name "koushik"

   git config user.email koushik@example.com

(Each developer replaces with their own details: anirban, tanmay.)

✅ 2. Set up your branch (first time only)

1. Make sure you're up to date with remote:

   git fetch origin

2. Switch to the dev branch:

   git checkout dev

   git pull origin dev

3. Create and switch to your personal branch:

   For Koushik:

   git checkout -b koushik

For Anirban:

git checkout -b anirban

For Tanmay:

git checkout -b Tanmay

🔷 Round 1 – Personal Branch Work

Each developer will work in their own branch (koushik, anirban, tanmay).

 Koushik

```
git checkout -b koushik
# make some changes
git add .
git commit -m "koushik: added feature A"
git push -u origin koushik
```

 Anirban

```
git checkout -b anirban
# make some changes
git add .
git commit -m "anirban: fixed bug B"
git push -u origin anirban
```

 Tanmay

```
git checkout -b tanmay
# make some changes
git add .
git commit -m "tanmay: updated UI"
git push -u origin tanmay
```

🔷 Round 2 – Merge into dev

1. Each developer switches to dev:

   git checkout dev

   git pull origin dev

   git merge koushik # (or anirban / tanmay depending on who is merging)

   git push origin dev

2. Other developers pull latest dev and rebase their branch:

   git checkout dev

   git pull origin dev

   git checkout your-branch

   git rebase dev

🔷 Round 3 – Merge dev ➔ main

After all features are tested in dev:

git checkout main

git pull origin main

git merge dev

git push origin main

✅ After completing these steps, you will have:

- Each developer's feature in their branch.
- All features integrated into dev.
- A stable, production-ready main.