Git Workflow Guide for Memory Maze Team

1. Clone the Repository

Run this command once to get the project on your local machine:

git clone https://github.com/your-org-name/memory-maze.git

cd memory-maze

2. Checkout Your Team Branch

Check out the branch your team is working on:

Frontend Team (Frontend + UI/UX):

git checkout frontend-team

Backend Team (Backend + Full Stack):

git checkout backend-team

3. Create a Feature Branch

Create a new branch off your team branch for the feature/task you're working on:

git checkout -b feature/your-feature-name

Example:

git checkout -b feature/login-screen

4. Work on Your Feature

- Make changes in your local files.

- Save frequently.

5. Stage and Commit Your Changes

Stage all changes:

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git add .

Commit with a meaningful message:

git commit -m "Add login screen UI"

6. Push Your Feature Branch to Remote

Push your branch so others can see your work:

git push origin feature/your-feature-name

7. Open a Pull Request (PR)

- Go to the GitHub repository.

- Open a PR from your feature branch into your team branch (frontend-team or backend-team).

- Add a clear description of what your PR does.

- Request a review from at least one teammate.

8. After PR Approval

Once approved and merged into your team branch, pull the latest team branch changes to stay updated:

git checkout your-team-branch
git pull origin your-team-branch

9. Merging to main Branch

- After the team branch has stable, tested code, a PR will be created to merge your team branch (frontend-team or backend-team) into main.

- This step is usually done by team leads or full stack developers.

Tips:

- Always pull the latest changes before starting new work:

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git checkout your-team-branch

git pull origin your-team-branch

- Write clear commit messages.

- Communicate regularly with your team on progress and blockers.