

Git Workflow for Feature Development and Merging

Development Phase

1. **Make Changes:** Modify your files as needed.

2. **Check Status:**

```
git status
```

3. **Stage Changes:**

```
git add .
```

4. **Check Status Again** (optional):

```
git status
```

5. **Commit Changes:**

```
git commit -m "commit message"
```

6. **Push to Remote:**

```
git push origin your-feature-branch
```

7. **Create a Merge Request:**

- Go to your remote repository (GitHub, GitLab, etc.) and create a merge request (or pull request).

8. **Merge Request Gets Accepted:**

- Wait for the merge request to be reviewed and accepted.

After Merge Request Acceptance

9. **Switch to Main Branch:**

```
git checkout main
```

10. **Fetch Latest Changes from Remote:**

```
git fetch origin
```

11. **Merge Changes from the Remote Main Branch:**

```
git merge origin/main
```

12. **(Optional) Check Logs of the Merged Branch:**

```
git log origin/your-feature-branch
```

13. Delete the Feature Branch (Optional):

- To delete the branch locally:

```
git branch -d your-feature-branch
```

- To delete it from the remote if no longer needed:

```
git push origin --delete your-feature-branch
```

14. Continue Development on the Same Branch (if applicable):

- If you want to continue development on the same feature branch:

```
git checkout your-feature-branch
```

- Make further changes and repeat the commit and push process:

```
git add .  
git commit -m "Further changes"  
git push origin your-feature-branch
```

Summary

This workflow outlines the steps for developing features, creating a merge request, and managing branches effectively in Git. Keep this guide handy for reference during your development process!