# Git and GitHub Workflow Guide

## 1. Working on a New Feature:

- Pull the latest changes from the `main` branch:

  ```bash
  git checkout main
  git pull origin main
  ```

- Create a new branch for the feature:

  ```bash
  git checkout -b new-feature-branch
  ```

- Make changes, commit, and push:

  ```bash
  git add .
  git commit -m "Add feature description"
  git push origin new-feature-branch
  ```

## 2. Updating an Existing PR Branch While on Another Branch:

- Save current changes in the new feature branch:

  ```bash
  git add .
  git commit -m "WIP: Work in progress"
  ```

  Or stash changes:

```bash
  git stash
  ```

- Switch to the PR branch:

  ```bash
  git checkout <pr-branch-name>
  ```

- Make the necessary changes, commit, and push:

  ```bash
  git add .
  git commit -m "Address additional feedback for PR"
  git push origin <pr-branch-name>
  ```

- Switch back to the new feature branch:

  ```bash
  git checkout new-feature-branch
  ```

- Reapply stashed changes (if stashed):

  ```bash
  git stash pop
  ```

3. Important Notes:

   - **PR Updates:** Any changes pushed to the PR branch are automatically reflected in the PR.

   - **Feature Isolation:** Keep PRs and features in separate branches to avoid conflicts.

   - **Stashing:** Use `git stash` to temporarily save work without committing.

By following these steps, you can effectively manage multiple features and PRs in Git and GitHub.