**Step-by-Step SCM Demonstration**

**a. Creating Remote Repository:**

* Go to GitHub → New Repository
* Name it devops-task-tracker
* Initialize with README
* Screenshot the creation process

**b. Local Repository Setup:**

bash

mkdir task-tracker-app

cd task-tracker-app

git init

**c. Cloning:**

bash

git clone https://github.com/yourusername/devops-task-tracker.git

cd devops-task-tracker

**d. Multiple Commits (Great opportunities):**

* Commit 1: "Initial app structure with HTML"
* Commit 2: "Add task creation functionality"
* Commit 3: "Add priority levels"
* Commit 4: "Add statistics dashboard"
* Commit 5: "Add filter functionality"

**e. Pushing Updates:**

bash

git add .

git commit -m "Add filter functionality for tasks"

git push origin main

**f. Synchronizing Changes:**

bash

git pull origin main

**g. Branching Strategy:**

bash

*# Teammate 1*

git checkout -b feature/export-import

*# Make changes*

git add .

git commit -m "Add export functionality"

git push origin feature/export-import

*# Create Pull Request on GitHub*

*# Merge to main*

*# Teammate 2*

git checkout -b feature/task-categories

*# Make changes*

git add .

git commit -m "Add task categories"

git push origin feature/task-categories

**Additional features we could each add**

**Easy additions for demonstrating commits:**

1. Dark mode toggle
2. Due dates for tasks
3. Search functionality
4. Task sorting (by date, priority)
5. Persistent user preferences
6. Sound effects on completion
7. Progress chart
8. Bulk operations (select multiple tasks)