

Managing the Git Story

Git and GitHub

git revert

Creates a new commit that reverts changes from previous commits:

```
git revert <commit-hash>
```

Creates a new commit that undoes changes from a previous commit (not for use with merge commits)

```
git revert -m <parent-number> <commit-hash>
```

Retrieves changes from the most recent stash in the stash stack

git stash

Saves changes in the working tree but doesn't commit them:

```
git stash
```

Stashes all changes since the previous commit (if no stash message is specified, the most recent commit message will be used)

```
git stash save <message>
```

```
git stash pop
```

Retrieves changes from the most recent stash in the stash stack

```
git stash apply stash@{n}
```

Retrieves changes from the stash at index `n` in the stash stack

```
git stash list
```

Lists all entries in the stash stack

```
git stash clear
```

Clears the stash stack

Merge Conflicts

- Conflicts occur when the same line in a file has been changed on two different branches, or when a file has been deleted in one branch but edited in the other.
- Teams working asynchronously often experience merge conflicts.
- Resolve conflicts by keeping the changes you want, then add and commit the changes.
- VS Code provides helpful tools to assist with merge conflicts.

```
<body>
<----- HEAD <!-- HEAD indicates current branch -->
  <h1>The current branch changed the title</h1>
=====
  <h1>The other branch has a different title</h1>
</body>
>>>>>> other-branch-name
```

