# Mastering Source Control in Xcode 4

Session 311

Brent Shank Software Engineer, Xcode

These are confidential sessions—please refrain from streaming, blogging, or taking pictures

### Agenda

- Introduction
- Sharing your code
- Using branches effectively

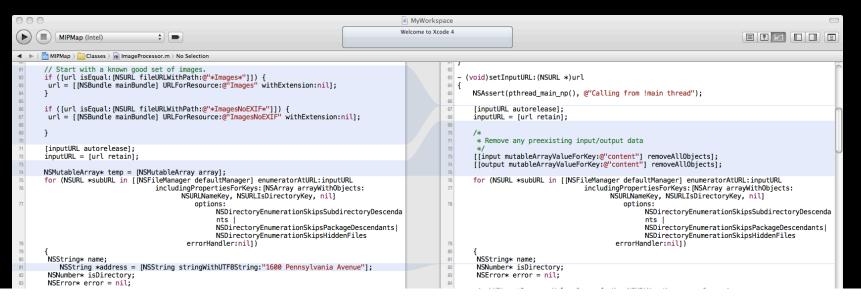
#### Introduction

- Editing
- Committing changes
- Viewing history
- Managing repositories

## Demo

#### Summary

- Edit
- Commit changes
- View history
- Manage repositories



# Sharing Your Code

Kevin Lindeman Software Engineer, Xcode

## Sharing Your Code

- Creating new projects using source control
- Configuring remotes
- Pushing changes

	Choose the remote to which to push changes. The remote must be online and reachable for the push operation to succeed. Remote: origin/master \$
Repository	is online Cancel Push

## Demo

# **Branching and Merging**

### **Branches Are Great!**

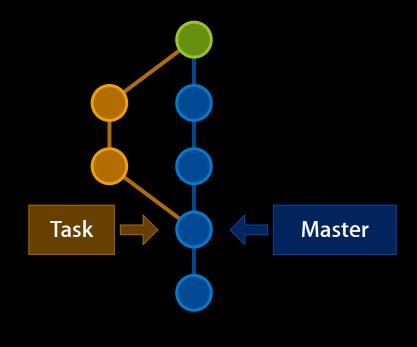
- Trunk
- Bug fix
- Task
- Release



#### **Branches Are Great!**

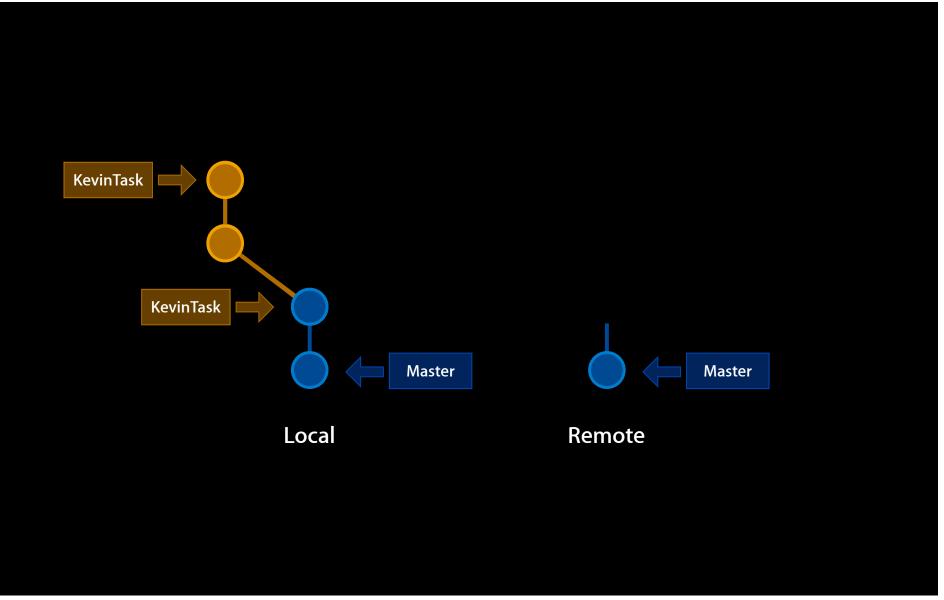
- Isolate changes
- Reduce regressions
- Simplify code reviews

## Anatomy of a Task Branch



## **Branching and Merging**

- Creating branches
- Switching
- Merging



## Demo

#### Summary

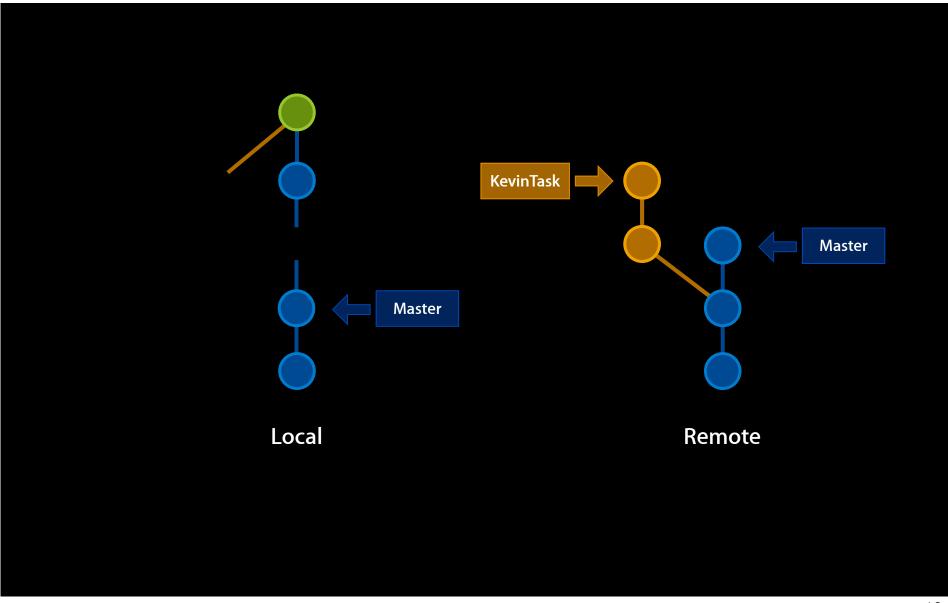
- Create new projects using source control
- Share your code
- How to use branches

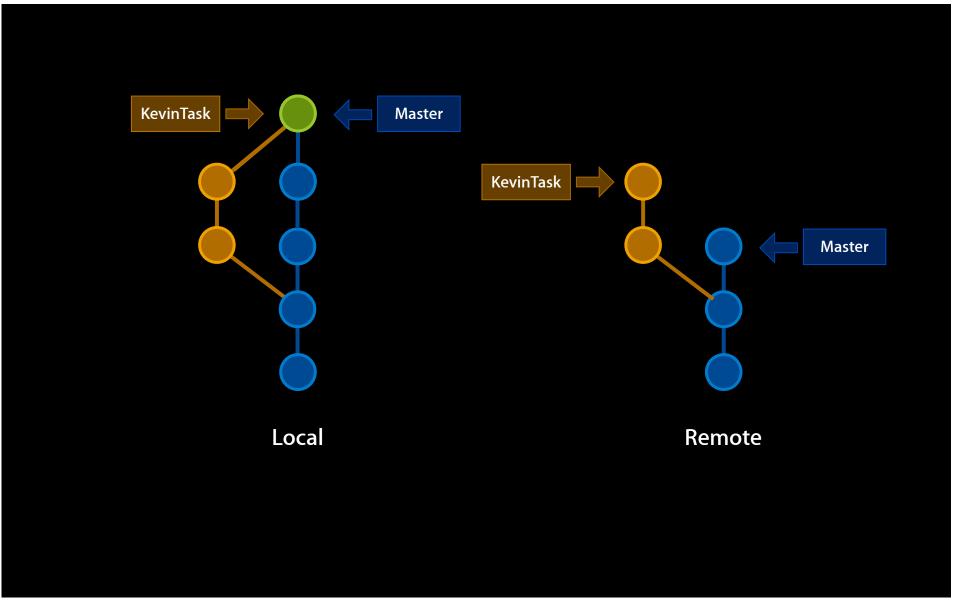
### Sharing Your Code Resolving conflicts

Kerry Hazelgren Software Engineering Manager, Xcode

## Sharing Your Code

- Creating a tracking branch
- Resolving conflicts
- Sharing the final result





## Demo

#### Summary

- Create a tracking branch
- Resolve conflicts
- Share the final result

#### Conclusion

- Source control that works with you
- Easily share code with others
- Isolate changes using branches
- Eliminate conflicts before they happen

#### **More Information**

**Michael Jurewitz** Developer Tools and Performance Evangelist jurewitz@apple.com

Apple Developer Forums http://devforums.apple.com

#### Labs

Xcode for iOS Development LabDeveloper Tools Lab A<br/>Wednesday 4:30PMXcode 4 LabDeveloper Tools Lab A<br/>Thursday 11:30AM

