GitHub and the New Source Control Workflows in Xcode 9

Session 405

Kieran Senior, Xcode Engineer
Eric Dudiak, Xcode Engineer
Cloning
Cloning
## Cloning

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<tr>
<th>Repository</th>
<th>Last Updated</th>
<th>Owner</th>
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<td>git</td>
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<td>dudiak</td>
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<td>apple</td>
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<td>ccs-caldavclientlibrary</td>
<td>Mar 6, 2017, 8:42 AM</td>
<td>apple</td>
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</table>

**dudiak/TOTP**

My awesome TOTP app.

- Swift
- F0
- 1
- README
Cloning
Cloning
Cloning

ResearchKit is an open source software framework that makes it easy to create apps for medical research or for other research projects.

2,768 commits  2 branches  10 releases  94 contributors

Branch: master  New pull request

Clone with HTTPS
Use Git or checkout with SVN using the web URL.

https://github.com/ResearchKit/ResearchKit

Open in Desktop  Open in Xcode

Download ZIP
Cloning

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Cloning
Commits
Branching
Tags
Commits
Commits
<table>
<thead>
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<th>Description</th>
<th>SHA</th>
<th>Date</th>
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Commits

Kieran Senior  🦄beta ◇ Betas/Beta-3 ◇ Releases/v0.5
Use the generator for the one-time password.

Eric Dudiak
Add support for generating a one-time password.

Andrew Nesbitt  🦄beta ◇ Betas/Beta-2 ◇ Releases/v0.4
Load the password from a secure file.

Eric Dudiak
Add the menu items for copying the password and code. Add a menu delegate to upd...

Eric Dudiak
Add shared secret option to the Settings window.

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Eric Dudiak
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Kieran Senior  beta  Betas/Beta-3  Releases/v0.5  9cd3d2e  Today
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Eric Dudiak
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Andrew Nesbitt  Betas/Beta-2  Releases/v0.4  62c49d0  Today
Load the password from a secure file.

Eric Dudiak
Add the menu items for copying the password and code. Add a menu delegate to upd...

Eric Dudiak
Add shared secret option to the Settings window.

Kieran Senior  Betas/Beta-1  Releases/v0.3  2ec6b25  Today
Remove an unused WindowController class.

Eric Dudiak
Set up the Settings window in the AppDelegate.
Commits

- **Kieran Senior**  
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Eric Dudiak  
Set up the Settings window in the AppDelegate.
Fix a bug in the Settings window.

Change the icon in the menu bar.

Disable the default window when opening the app.
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Fix a bug in the Settings window.
Change the icon in the menu bar.
Disable the default window when opening the app.

Eric Dudiak
Add support for generating a one-time password.

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Cloning
Commits
Branching
Tags
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Kieran Senior
Betas/Beta-1  Releases/v0.3
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Eric Dudiak
Add shared secret option to the Settings window.

Andrew Nesbitt
Betas/Beta-2  Releases/v0.4
Load the password from a secure file.

Eric Dudiak
Add support for generating a one-time password.

Eric Dudiak
Add the menu items for copying the password and code. Add a menu delegate to the reverse engineering tool.
Branching
Branching

Andrew Nesbitt
Decode the Base32 string for the shared secret.

Kieran Senior
Use the generator for the one-time password.

Eric Dudiak
Add support for generating a one-time password.

Andrew Nesbitt
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Eric Dudiak
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Kieran Senior
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Eric Dudiak
Add app icons.

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Eric Dudiak
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Eric Dudiak
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Eric Dudiak
Add shared secret option to the Settings window.
Branching
Branching

Eric Dudiak
Merge origin/master master
Merge branch 'icons'

Andrew Nesbitt
Set the menu up to the status bar item.

Kieran Senior beta Betas/Beta-3 Releases/v0.5
Use the generator for the one-time password.

Eric Dudiak
Add support for generating a one-time password.

Andrew Nesbitt Betas/Beta-2 Releases/v0.4
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Branching

- **Eric Dudiak**
  - Merge `origin/master` to `master`

- **Andrew Nesbitt**
  - Set the menu up to the status bar item.

- **Kieran Senior**
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- **Eric Dudiak**
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Tags

Betas/Beta-4
Tags

- Betas/Beta-4
- Betas/Beta-3
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Betas/Beta-4
Betas/Beta-3
Releases/v0.5
Betas/Beta-2
Tags

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Tags

Create a new tag from revision:

Revision: f49ae6d
Tag: Betas/Beta-4
Message: Our fourth beta of TOTP.

Use the generator for the one-time password.

Eric Dudiak
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- **Eric Dudiak**
  - Merge branch 'icons'

- **Andrew Nesbitt**
  - Set the menu up to the status bar item.

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Tags
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Eric Dudiak: Merge from `origin/master` to `master`, and `Betas/Beta-4`

Andrew Nesbitt: Set the menu up to the status bar item.

Kieran Senior: Add support for generating a one-time password.

Eric Dudiak: Use the generator for the one-time password.

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Demo
Summary

Cloning and searching GitHub

New source control navigator

Viewing history and commits

Branching and tagging

Sharing projects on GitHub
More Information

https://developer.apple.com/wwdc17/405
## Related Sessions

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<thead>
<tr>
<th>Session</th>
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<th>Time</th>
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<td>WWDC 2017</td>
<td></td>
</tr>
<tr>
<td>What's New in Testing</td>
<td>Hall 2</td>
<td>Thursday 3:10PM</td>
</tr>
<tr>
<td>Lab Activity</td>
<td>Lab Location</td>
<td>Open Hours</td>
</tr>
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<td>Source Control, Simulator, Testing, and Continuous Integration with Xcode Lab</td>
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<td>Wed 4:00PM–6:00PM</td>
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<tr>
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<td>Technology Lab E</td>
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<td>Source Control, Simulator, Testing, and Continuous Integration with Xcode Lab</td>
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<td>Thurs 4:00PM–6:00PM</td>
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<td>Technology Lab K</td>
<td>Fri 2:00PM–4:00PM</td>
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