

Swifter.jl

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<https://github.com/wookay>

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iOS app development tools

- * Debugging with LLDB
- * UI Automation but javascript
- * XCode 7 UI Testing

Complicated but convenient iOS app development tools

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- * UI Automation but javascript
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A tool for iOS app development

- * REPL, Jupyter notebook

- * Scripting

 - UI Automation

 - UI Testing

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Architecture

- * An RPC Server**

- * An RPC Client**

Architecture

- * AppConsole : RPC Server**
 - Reflection with Swift**
- * Swifter.jl : RPC Client**
 - Meta programming with Julia**

Server-side

* AppConsole

<https://github.com/wookay/AppConsole>

- Demo/
- notebooks/
- scripts/

Run the Server

...

```
AppConsole(initial: object).run()
```

Client-side

*** Swifter.jl**

<https://github.com/wookay/Swifter.jl>

```
julia> Pkg.add("Swifter")
```

```
julia> using Swifter
```

Swifter.jl

- * `initial`

- * `@query`

Swifter.jl – initial

initial(url)::QueryResult

- Create an endpoint by connecting to the AppConsole Server

Swifter.jl – @query

@query(expr)::QueryResult

- Query to excute the expressions

Demo

- * REPL

- * Jupyter notebook

- * Scripting

REPL

Jupyter notebook

Scripting

Summary

- * Creating tools**

- to design explorations**
- interactive : REPL, Jupyter**
- scripting, testing**

Summary



- * Creating tools with
 - to design explorations
 - interactive : REPL, Jupyter
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* Waiting for `SwiftCall.jl`

Q & A

Thanks