

# iOS UI Test with Calaba.sh

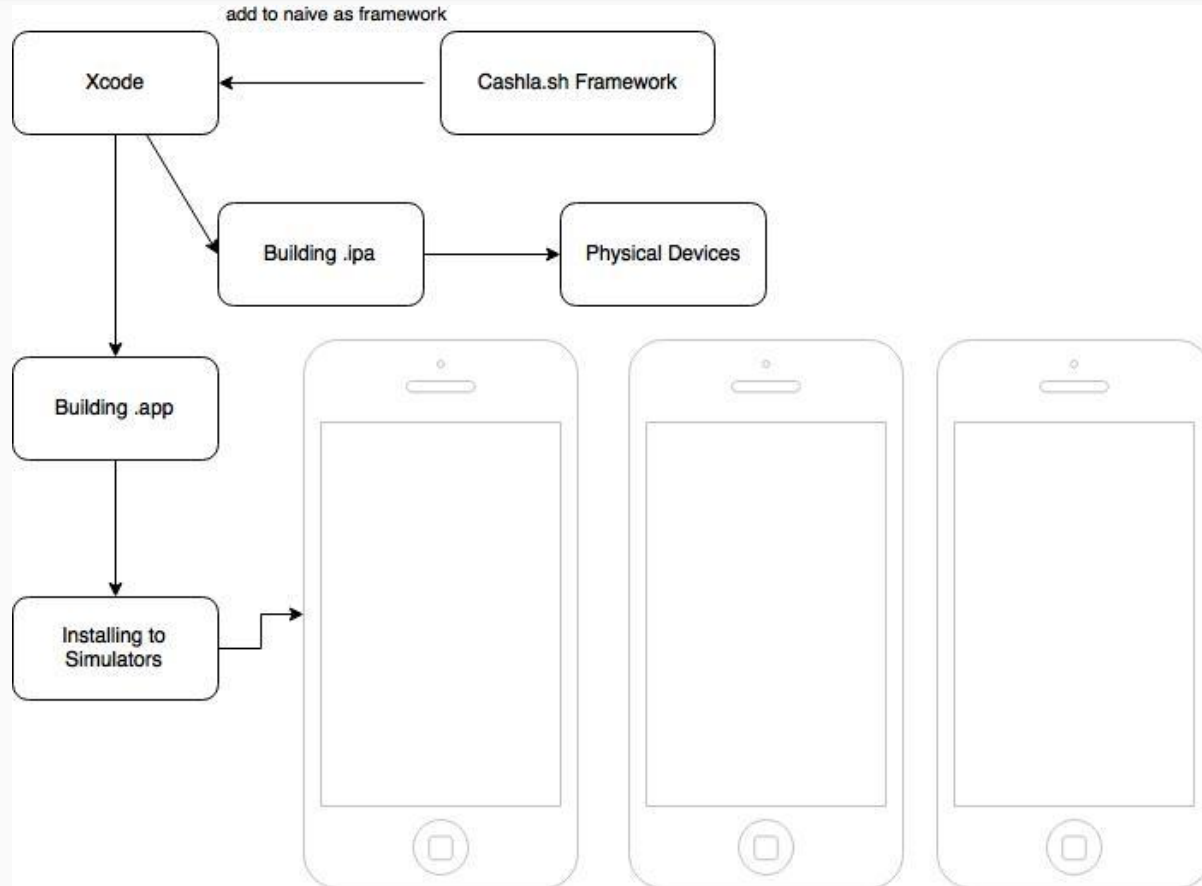
Wasupol

Growth Session #8 - October 19-20 2017

## Intro: Benefits

- Developed by Xamarin
- Support with Xamarin Cloud Devices
  - Xamarin Studio is required
- Support within native application
- Open-source and free to use
- Embedded within the native application
- Not Required to run separate server services.

# Intro: Flow



# Hard to use

```
$ calabash-ios gen
```

```
-----Question-----
```

```
I'm about to create a subdirectory called features.  
features will contain all your calabash tests.  
Please hit return to confirm that's what you want.  
-----
```

```
<RETURN>
```

```
-----Info-----
```

```
features subdirectory created.  
Try executing
```

```
cucumber
```

```
$ tree -L 1 features/  
features/  
├─ my_first.feature  
├─ step_definitions  
└─ support
```



calabash.framework  
rk

# Cautions

- Poor documentation
- It is not active development by Xamarin
- It is not safe for production application
  - Apple will reject it
- It is very hard at beginning.
  - Required to had knowledge in shell and command line.
- Can only write in Cucumber
- Requires basic knowledge in achieving project

## Accomplishment

- Setup, build and cucumber with Calabash
- Could run multiple devices
- Integrate with fastlane

# Issues encountered

We are recommending that users install ruby 2.3.1 or higher. Ruby 2.4 *is not supported at this time*. We are aware that this is causing problems for some users. We are tracking this issue here:

- Cannot use Ruby 2.4.x, which uses JSON 2.x, with Calabash iOS #1286

```
cannot load such file -- calabash-cucumber/launch/simulator_helper (LoadError)
/Users/wasupoltungsakultong/Works/Red_Planet_iOS/features/support/launch.rb:24:in `require'
/Users/wasupoltungsakultong/Works/Red_Planet_iOS/features/support/launch.rb:24:in `<top (required)>'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/glue/registry_and_more.rb:106:in `load'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/glue/registry_and_more.rb:106:in `load_code_file'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/runtime/support_code.rb:147:in `load_file'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/runtime/support_code.rb:88:in `block in load_files!'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/runtime/support_code.rb:87:in `each'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/runtime/support_code.rb:87:in `load_files!'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/runtime.rb:270:in `load_step_definitions'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/runtime.rb:67:in `run!'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/lib/cucumber/cli/main.rb:33:in `execute!'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/gems/cucumber-3.0.1/bin/cucumber:9:in `<top (required)>'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/bin/cucumber:23:in `load'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/bin/cucumber:23:in `<main>'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/bin/ruby_executable_hooks:15:in `eval'
/Users/wasupoltungsakultong/.rvm/gems/ruby-2.3.4@redplanet_ios/bin/ruby_executable_hooks:15:in `<main>'
Wasupols-MacBook-Pro:Red_Planet_iOS wasupoltungsakultong$ rm -rf features/
Wasupols-MacBook-Pro:Red_Planet_iOS wasupoltungsakultong$ bundle exec calabash-ios gen
```

Please note that Calabash is no longer under active development.

# Thanks!

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