Calabash cross-platform tests

Adapted from LessPainful's sample

https://github.com/calabash/x-platform-example

Feature

login.feature

```gherkin
Feature: Login
    As a user I'll be able to add wordpress hosted blogs. To
    authenticate, I'll provide email and password. I'll see
    appropriate error messages if I enter a bad username and
    password combination.


@invalid_login
Scenario: Invalid login to WordPress.com blog
  Given I am about to login
  When I enter invalid credentials
  Then I am presented with an error message to correct credentials


@add_blog
Scenario: Adding a WordPress.com blog
  Given I am on the Welcome Screen
  When I add the WordPress.com blog
  Then I should be logged in
```

```
@invalid_login
Scenario: Invalid login to WordPress.com blog
  Given I am about to login
  When I enter invalid credentials
  Then I am presented with an error message to correct credentials
```

login_steps.rb

Step definitions

```
Given /^I am about to login$/ do
  welcomeScreen = page(WelcomeScreen)
  welcomeScreen.await
  @screen = welcomeScreen.open_wordpress_blog
end


When /^I enter invalid credentials$/ do
  @screen = @screen.login(USERS[:invalid])
end


Then /^I am presented with an error message to
correct credentials$/ do
  @screen.assert_invalid_login_message
end
```

Step definition

login_steps.rb

```ruby
Given /^I am about to login$/ do
  welcomeScreen = page(WelcomeScreen)
  welcomeScreen.await
  @screen = welcomeScreen.open_wordpress_blog
end


When /^I enter invalid credentials$/ do
  @screen = @screen.login(USERS[:invalid])
end


Then /^I am presented with an error message to correct
credentials$/ do
  @screen.assert_invalid_login_message
end
```

Runners - iOS

```
Given /^I am about to login$/ do
  welcomeScreen = page(WelcomeScreen)
  welcomeScreen.await
  @screen = welcomeScreen.open_wordpress_blog
End
```

welcome_screen_ios.rb

```
require 'calabash-cucumber/ibase'

class WelcomeScreen < Calabash::IBase
  def trait
    "button marked:'Add WordPress.com Blog'"
  end

  def open_wordpress_blog
    transition(:tap => trait, :page => WordPressComPage)
  end
end
```

await is inherited from IBase (WelcomePage's superclass)

Function **trait** will be called by await

open_wordpress_blog's definition

Runners - Android

```
Given /^I am about to login$/ do
  welcomeScreen = page(WelcomeScreen)
  welcomeScreen.await
  @screen = welcomeScreen.open_wordpress_blog
End
```

ABase is the superclass

welcome_screen_android.rb

```
require 'calabash-android/abase'

class WelcomeScreen < Calabash::ABase
  def trait
      "android.widget.Button marked:'Add blog hosted at WordPress.com Blog'"
  end

  def open_wordpress_blog
    touch(trait)
    page(WordPressComPage).await
  end
end
```

Android app specific
implementation of
the same functions