

kotlenide (0.0.1)

Maksim Kostromin

Version 0.0.1, 2018-09-10 02:45:51 UTC

Table of Contents

1. Introduction	2
2. How to (work in progress)	4
3. Links	7
4. License	8

KOTLENIDE



Idiomatic UI tests

Chapter 1. Introduction

TODO: kotlenide is available in both — [maven central](#) and [bintray jcenter repositories](#)



Kotlenide itself is not included any selenide library, so we assume you already have one in your project dependencies. Otherwise — just add some together with kotlenide...

[Maven] | https://www.bintray.com/docs/images/bintray_badge_color.png

gradle

```
dependencies {
    testImplementation 'com.github.daggerok:kotlenide:0.0.1'
    // Kotlenide also requires Selenide dependency:
    testImplementation 'com.codeborne:selenide:4.14.0'
}
```

[Maven] | <http://maven.apache.org/images/maven-logo-black-on-white.png>

maven

```
<project>
  <dependencies>
    <dependency>
      <groupId>com.github.daggerok</groupId>
      <artifactId>kotlenide</artifactId>
      <version>0.0.1</version>
      <scope>test</scope>
    </dependency>
    <!-- Kotlenide also requires Selenide dependency: -->
    <dependency>
      <groupId>com.codeborne</groupId>
      <artifactId>selenide</artifactId>
      <version>4.14.0</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
</project>
```

idiomatic kotlin DSL for UI ent-to-end testing, which is using famous good known [selenide](#) under the hood:

```
class `Awesome Kotlinide Tests` {
    @Test fun `selenide using idiomatic kotlin should be awesome`() {
        "https://google.com".open {
            find("body") {
                this contains "G"
                this has "mail"
            }
            close()
        }
    }

    @Test fun `should open given URL in chrome and assert using infix extension
functions`() {
        "https://google.com".openIn("chrome") {
            find("body") {
                this.find(".ololo") shouldNotBe exist
                find(".trololo") shouldBeNot visible
                this shouldHaveText "Gmail"
            }
            close()
        }
    }
}
```

Chapter 2. How to (work in progress)

open url (String)

java

```
@Test
@DisplayName("should open method with String argument")
void test() {
    open("https://google.com")
    // ...
    close()
}
```

open(String relativeOrAbsoluteUrl)

kotlin

```
@Test fun `should open String extension function`() {
    "https://google.com".open {
        // ...
        close()
    }
}

@Test fun `in addition can open given URL in given browser`() {
    "https://google.com".open("firefox") {
        // ...
        close()
    }
}

@Test fun `semantically has openIn function also to open given URL in given browser`() {
    "https://google.com".openIn("chrome") {
        // ...
        close()
    }
}
```

API:

- `String.open { ... }`
- `String.open("browserName") { ... }`
- `String.open(browser = "...") { ... }`
- `String.openIn("browserName") { ... }`
- `String.openIn(browser = "...") { ... }`

kotlin

```
@Test fun `should open Pair extension function with free first key name contract`()
{
    ("url" to "https://google.com").open {
        // ...
        close()
    }
}
```

Pair.open { ... }

open absolute url (URL)

java

```
@Test
@DisplayName("should open method with URL argument")
void test() {
    open(new URL("https://ya.ru"))
    // ...
    close()
}
```

open(URL absoluteUrl)

kotlin

```
@Test fun `should open URL extension function`() {
    URL("https://ya.ru").open {
        // ...
        close()
    }
}
```

URL.open { ... }

open by ...

java

```
@Test
@DisplayName("should open using string arguments by some contract")
void test() {
    open("https://blog.example.com?q=java", "example.com", "login", "password")
    // ...
    close()
}
```

open(String relativeOrAbsoluteUrl, String domain, String login, String password)

```
@Test fun `should open Map extension function minimal contract`() {
    mapOf("relativeOrAbsoluteUrl" to "https://google.com").open {
        // ...
        close()
    }
}

// or:

@Test fun `should open Map extension function full contract`() {
    mapOf(
        "relativeOrAbsoluteUrl" to "https://blog.example.com?q=java",
        "domain" to "example.com",
        "login" to "login",
        "password" to "password"
    ).open {
        // ...
        close()
    }
}
```

Map<String, String>.open { ... }

Chapter 3. Links

- [Kotlin](#)
- [Kotlin DSL guide](#)
- [Kotlin infix functions](#)
- [Selenide](#)
- [Awesome free online images editor LunaPic](#)
- [GitHub repo](#)
- [GitHub pages](#)

Chapter 4. License

MIT