

kotlenide (0.0.1)

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KOTLENIDE



Idiomatic UI tests

Chapter 1. Usage (TODO)

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

```
class AwesomeTests {
    @Test fun 'selenide with idiomatic kotlin should be awesome'() {
        open("http://127.0.0.1:8080") {
            it.find("form") {
                it.find("input[type='text']") {
                    it.sendKeys "hola!"
                }
            }
            it.find("button") {
                it.press enter
            }
        }
    }
}
```

Chapter 2. How to (work in progress)

java: `Selenide.open(String relativeOrAbsoluteUrl)`

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

kotlin: `String.open { ... }`

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

// or:

@Test fun `should open Pair extension function with free first key contract`() {
    ("url" to "https://google.com").open {
        sleep(1000)
        close()
    }
}
```

java: `Selenide.open(URL absoluteUrl)`

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

kotlin: `URL.open { ... }`

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

java: `Selenide.open(String relativeOrAbsoluteUrl, String domain, String login, String password)`

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

kotlin: `Map<String, String>.open { ... }`

```
@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"
    ) {
        // ...
        close()
    }
}
```

TODO: implement documentation...

Chapter 3. Links

- [GitHub repo](#)
- [GitHub pages](#)