kotlenide (0.0.1)

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KOTLENIDE

Idiomatic UI tests

Chapter 1. Introduction

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

Chapter 2. How to (work in progress)

open url (String)

java

```
@Test
@DispayName("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()
  }
}
```

String.open { … }

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

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

open(URL absoluteUrl)

kotlin

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

URL.open { ⋯ }

open by ...

java

```java
@Test
@DispayName("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)

```kotlin
@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
- Selenide
- Awesome free online images editor LunaPic
- GitHub repo
- GitHub pages

Chapter 4. License

MIT