Test Plan

Tugas Mini Project QA Automation

**Introduction**

Berikut adalah rencana pengujian dimana pengujian tersebut terdapat beberapa fitur yang harus diuji sebagai sebuah kewajiban dalam bentuk tugas Mini Project Automation Testing yang dikerjakan secara individu. Selain untuk kewajiban tugas yang harus dipenuhi testing ini juga dilator belakangi untuk mengetes fitur pada setiap sebsite, api, ataupun mobile agar tidak terdapat bug atau error saat akan dirilis atau diluncurkan. Testing ini hanya dilakukan sejauh mengetes fitur dan mencobanya baik type testing negative ataupun positif.

**Scope of Testing**

1. Test Coverage

* Website
* API
* Mobile
* CI/CD

1. Functional Requirment

Disini saya akan mentesting semua bagian fitur dalam Website, API, Mobile yang telah ditentukan dengan manual testing dan yang utama adalah automation testing. Dimana utamanya pengujian automation testing menggunakan apk Intellij dan bahasa pemrograman yang digunakan adalah bahasa pemrograman java. Untuk lebih jelas dapat dilihat pada ppt Mini Project.

**MVP Produk**

MVP test web:

* Register : asser register akan langsung masuk ke halaman login
* Login : asser muncul produk dan minimal ada 4 test case negative, login email: someone@mail.com password: 123123
* Detail Product : assert play has no limit tadak muncul
* Buy Product : assert muncul angkanya di icon cart
* Edit Cart : minimal 2 test case
* Bayar : assert masuk ke dalam detail table Transactions
* Logout

MVP test API:

* Semua fitur yang terdapat dalam collection

MVP test mobile:

* Register : assert setelah click register muncul tulisan gagal
* Login : assert muncul Sony PS5, akun untuk login: someone@mail.com password : 123123, minimal ada 4 test case negative
* Buy Product : assert muncul angkanya di icon cart
* Logout

**Features to be Tested**

Adapun fitur-fitur yang akan diuji dalam Website, API, Mobile antara lain sebagai berikut:

Website in fitur:

|  |  |
| --- | --- |
| Register | Register an account with the correct data |
| Register | Register use already registered email |
| Register | Register use already registered full name |
| Register | Register use wrong email |
| Login | Login with registered email password |
| Login | Login with not registered email password |
| Login | Login with wrong email |
| Login | Login with registered full name in email |
| Login | Login with registered email and wrong password |
| Detail Produk | View detail produk Sony PS5 |
| Detail Produk | View detail produk Practical Marble Table |
| Buy Product | Buy Product Sony PS5 |
| Buy Product | Buy Product Practical Marble Table |
| Edit Cart | Add Sony PS5 that is already in icon cart |
| Edit Cart | Delete Sony PS5 that is already in icon cart |
| Logout | Logout of the account that is already logged in |

API in fitur:

|  |  |
| --- | --- |
| Register | POST - Register with valid data |
| Register | POST - Register without fullname |
| Register | POST - Register without email |
| Register | POST - Register without password |
| Register | POST - Register with existed account |
| Login | POST - Login with valid account |
| Login | POST - Login with empty email |
| Login | POST - Login with empty password |
| Login | POST - Login without payload |
| Login | POST - Login with empty body parameter |
| Product | POST - Add new product product |
| Product | POST - Add new product without Name payload |
| Product | POST - Add new product without Description payload |
| Product | GET - Get product by ID |
| Product | GET - Get all product |
| Order | POST - Add new orders |
| Order | GET - Get all order |
| Order | GET - Get all order without login |
| Categories | POST - Add new category |
| Categories | POST - Add new category without description data payload |
| Categories | POST - Add new category without name data payload |
| Categories | GET - Get list all categories |
| Categories | GET - Get categories by ID |
| User Information | GET - Get user information |
| User Information | GET - Get user information without token |

Mobile in fitur:

|  |  |
| --- | --- |
| Register | Register an account with the correct data |
| Login | Login with registered email password |
| Login | Login with not registered email password |
| Login | Login with registered email & not registered password |
| Login | Login with not registered email & registered password |
| Login | Login with wrong registered email |
| Buy Product | Buy Product Sony PS5 |
| Buy Product | Buy Product Practical Marble Table |
| Logout | Logout of the account that is already logged in |

**Tools Using for Testing**

Tools website:

* + InlJ
  + Bahasa pemrograman Java
  + Selenium BDD (Premote)
  + Serenity (Premote)

Tools API:

* + InlJ
  + Bahasa pemrograman Java
  + Rest Assured (Premote)
  + Serenity BDD(Premote)

Tools Mobile:

* + IntlJ
  + Android Studio
  + Bahasa Pemrograman Java
  + Appium (Premote)
  + Serenity BDD (Premote)

Tools CI/CD:

* + GitHub Actions