**WHITE BOX TESTING**

1. **Control Flow Testing**
2. **Register**

|  |
| --- |
| [Start]  ↓  [Form Submitted]  ↓  [Validasi Input?] --No--> [Kembali ke Form dengan Error]  ↓ Yes  [Hash Password]  ↓  [Simpan ke DB]  ↓  [Login User Otomatis]  ↓  [Redirect ke Dashboard]  ↓  [End] |

**Register Path**

|  |  |  |
| --- | --- | --- |
| **Path** | **Jalur** | **Deskripsi** |
| R1 | Start → Submit → Validasi OK → Hash → Simpan DB → Login → Redirect | Jalur normal berhasil |
| R2 | Start → Submit → Validasi Gagal → Kembali ke Form | Gagal validasi input (e.g. email kosong) |

**Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **TC** | **Input** | **Expected Output** | **Path** |
| TC-R1 | Nama: Asgar, Email: [asgar@mail.com](mailto:asgar@mail.com), Pass: 1234567890 | Redirect ke dashboard | R1 |
| TC-R2 | Nama: "", Email: "", Pass: "" | Kembali ke form dengan error | R2 |

1. **Login**

|  |
| --- |
| [Start]  ↓  [Form Submitted]  ↓  [Validasi Input?] --No--> [Kembali ke Form dengan Error]  ↓ Yes  [Cek Kredensial Valid?] --No--> [Kembali ke Form dengan Error]  ↓ Yes  [Login Session]  ↓  [Redirect ke Dashboard]  ↓  [End] |

**Login Path**

|  |  |  |
| --- | --- | --- |
| Path | Jalur | Deskripsi |
| L1 | Start → Submit → Validasi OK → Kredensial OK → Login → Redirect | Login sukses |
| L2 | Start → Submit → Validasi Gagal → Kembali ke Form | Email/password tidak diisi atau invalid |
| L3 | Start → Submit → Validasi OK → Kredensial Gagal → Kembali ke Form | Email/password salah |

**Test Case**

|  |  |  |  |
| --- | --- | --- | --- |
| **TC** | **Input** | **Expected Output** | **Path** |
| TC-L1 | Email: [asgar@mail.com](mailto:asgar@mail.com), Pass: 1234567890 (valid) | Redirect ke dashboard | L1 |
| TC-L2 | Email: "", Pass: "" | Kembali ke form dengan error | L2 |
| TC-L3 | Email: [asgar@mail.com](mailto:asgar@mail.com), Pass: salahpass | Kembali ke form dengan error | L3 |

1. **Checkout**

|  |
| --- |
| [Start]  ↓  [Cek Trif Valid]  ↓  [Validasi Input?] --No--> [Kembali ke from dengan Error]  ↓ Yes  [Cek Detail & Member Valid?] --No--> [Kembali ke Form dengan Error]  ↓ Yes  [Tambah Member]  ↓  [Validasi Input?] --No--> [Kembali ke from hitung total & Tampilkan Error]  ↓ Yes  [Cek Tambah Member?] –No--> [Kembali ke Form hitung total & Tampilan error]  ↓ Yes  [Hitung Total Biaya]  ↓  [Tampilkan Intruksi bayar]  ↓  [Klik "I Have Made Payment]  ↓  [Redirect ke Halaman Konfirmasi]  ↓  [End] |

1. **Metode Pembayaran**

|  |
| --- |
| [Start]  ↓  [Pilih Metode Pembayaran]  ↓  [Validasi Metode]  ↓  [Validasi Input?] --No--> [Kembali ke from dengan Error]  ↓ Yes  [Cek Detail & Member Valid?] --No--> [Kembali ke Form dengan Error]  ↓ Yes  [Berhasil]  ↓  [Validasi Input?] --No--> [Kembali ke from Transaksi berhasil & Tampilkan Error]  ↓ Yes  [Cek Tambah Member?] –No--> [Kembali ke Form Transaksi berhasil & Tampilan error]  ↓ Yes  [Tampilkan Invoice]  ↓  [End] |