LAPORAN PENGUJIAN PERANGKAT LUNAK LES-GO

Oleh: Zain Kurniawan (145150200111076), Abyan Naufal(145150207111065), Rizki Maulana Akbar(145150200111083), Rizky Muhammad(145150200111085)

PPL C

**BLACK BOX TESTING**

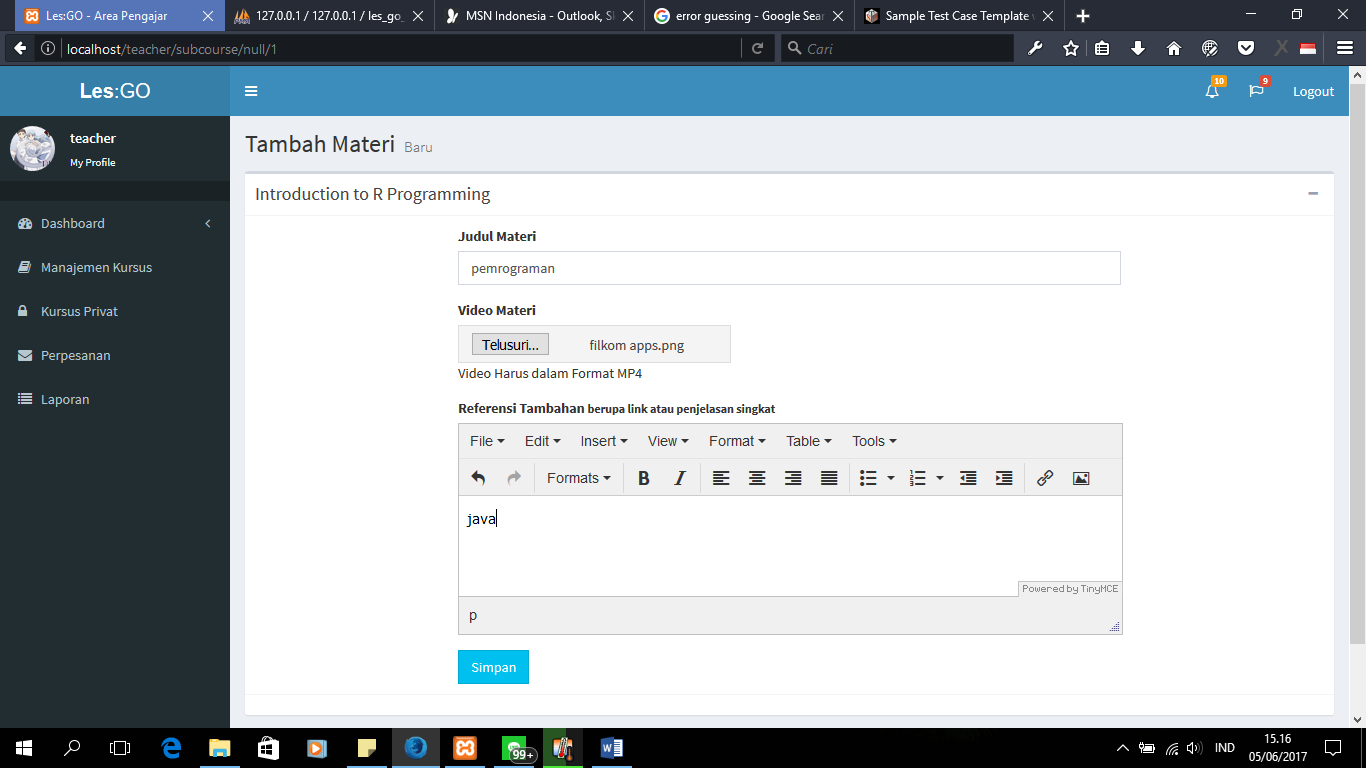
|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
|  | |
| **Black Box Testing #1 – Error Guessing** | |
| **Test Case ID:** LGF\_01 | **Test Designed by:** Zain Kurniawan |
| **Test Priority (Low/Medium/High):** high | **Test Designed date:** June, 6th 2017 |
| **Module Name:** tambah materi | **Test Executed by:** Zain Kurniawan |
| **Test Title:** Verify tambah materi | **Test Execution date:** June, 6th 2017 |
| **Description:** testing upload video materi |  |
|  |  |
|  |  |
| **Pre-conditions:** user | |
| **Dependencies:** | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna login dengan hak akses teacher |  |  |  |  |  |
| 2 | Pengguna memilih menu manajemen kursus dan lalu memilih menu list kursus anda |  |  |  |  |  |
| 3 | Pengguna menekan tombol tambah materi |  |  |  |  |  |
| 4 | Pengguna mengisi field judul materi | Data : pemrograman |  |  |  |  |
| 5 | Pengguna mengisi video materi | Data : filkom apps.png |  |  |  |  |
| 6 | Pengguna mengisi field referensi tambahan | Data : java | Tidak bisa menambah materi karena video berformat .png | Materi yang diupload berhasil di simpan oleh sistem | pass |  |

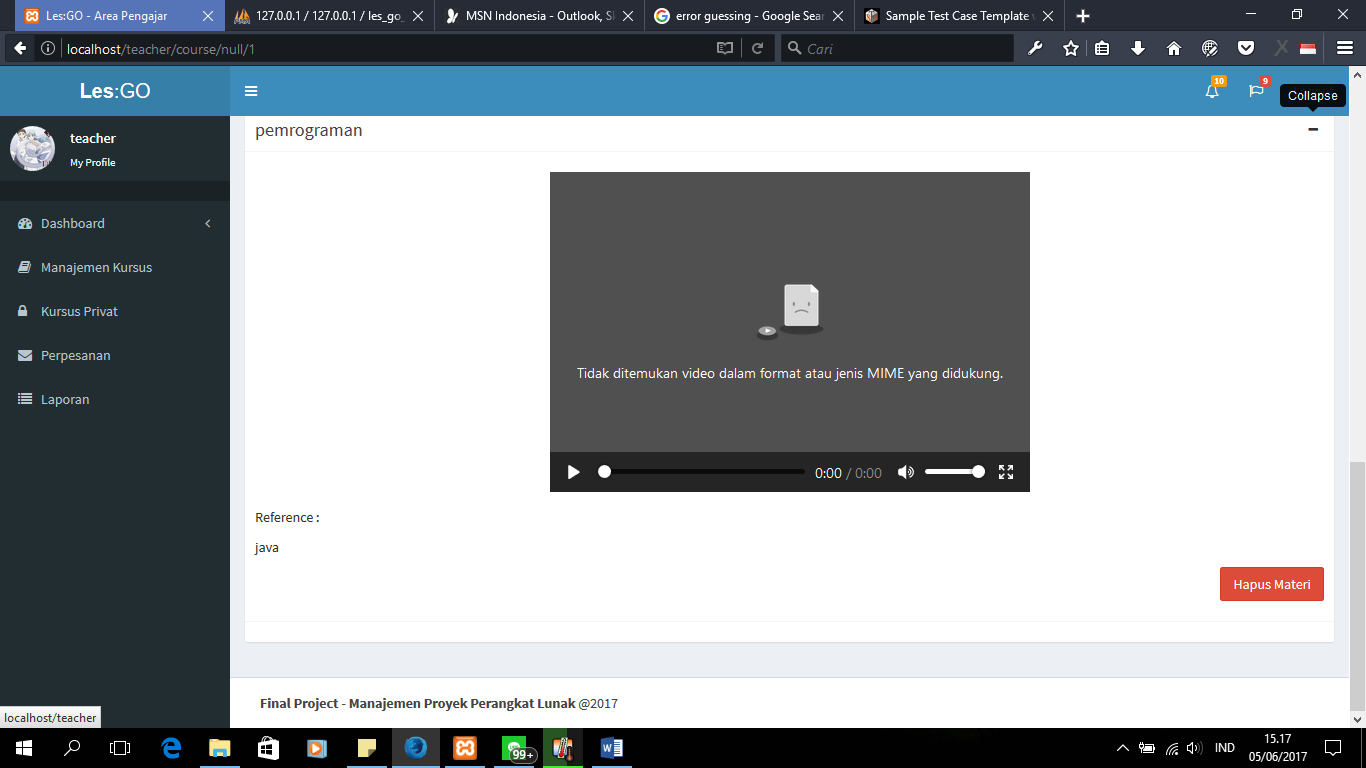
**Post-conditions:**

Materi yang diupload berhasil di simpan oleh sistem

Screenshot ketika mengisi form inputan



Screenshot materi berhasil diupload



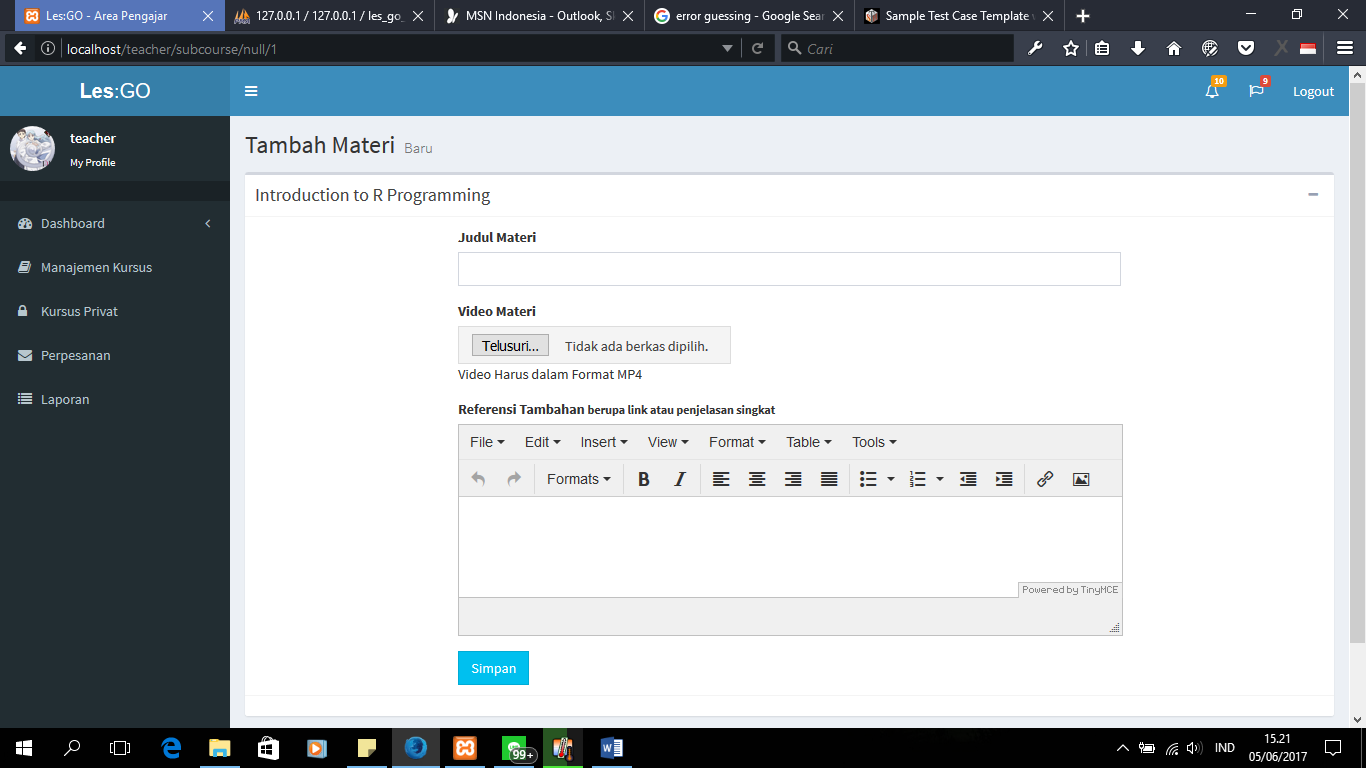
|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #2 – Error Guessing** | |
| **Test Case ID:** LGF\_02 | **Test Designed by:** Zain Kurniawan |
| **Test Priority (Low/Medium/High):** high | **Test Designed date:** June, 6th 2017 |
| **Module Name:** tambah materi | **Test Executed by:** Zain Kurniawan |
| **Test Title:** Verify tambah materi | **Test Execution date:** June, 6th 2017 |
| **Description:** testing tambah materi tanpa mengisi semua form |  |
|  |  |
|  |  |
| **Pre-conditions:** User has valid username and password | |
| **Dependencies:** | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna login dengan hak akses teacher |  |  |  |  |  |
| 2 | Pengguna memilih menu manajemen kursus dan lalu memilih menu list kursus anda |  |  |  |  |  |
| 3 | Pengguna menekan tombol tambah materi |  |  |  |  |  |
| 4 | Pengguna mengisi field judul materi | Data : |  |  |  |  |
| 5 | Pengguna mengisi video materi | Data : |  |  |  |  |
| 6 | Pengguna mengisi field referensi tambahan | Data : | tidak bisa menambahkan materi | Materi yang diupload berhasil di simpan oleh sistem | pass |  |

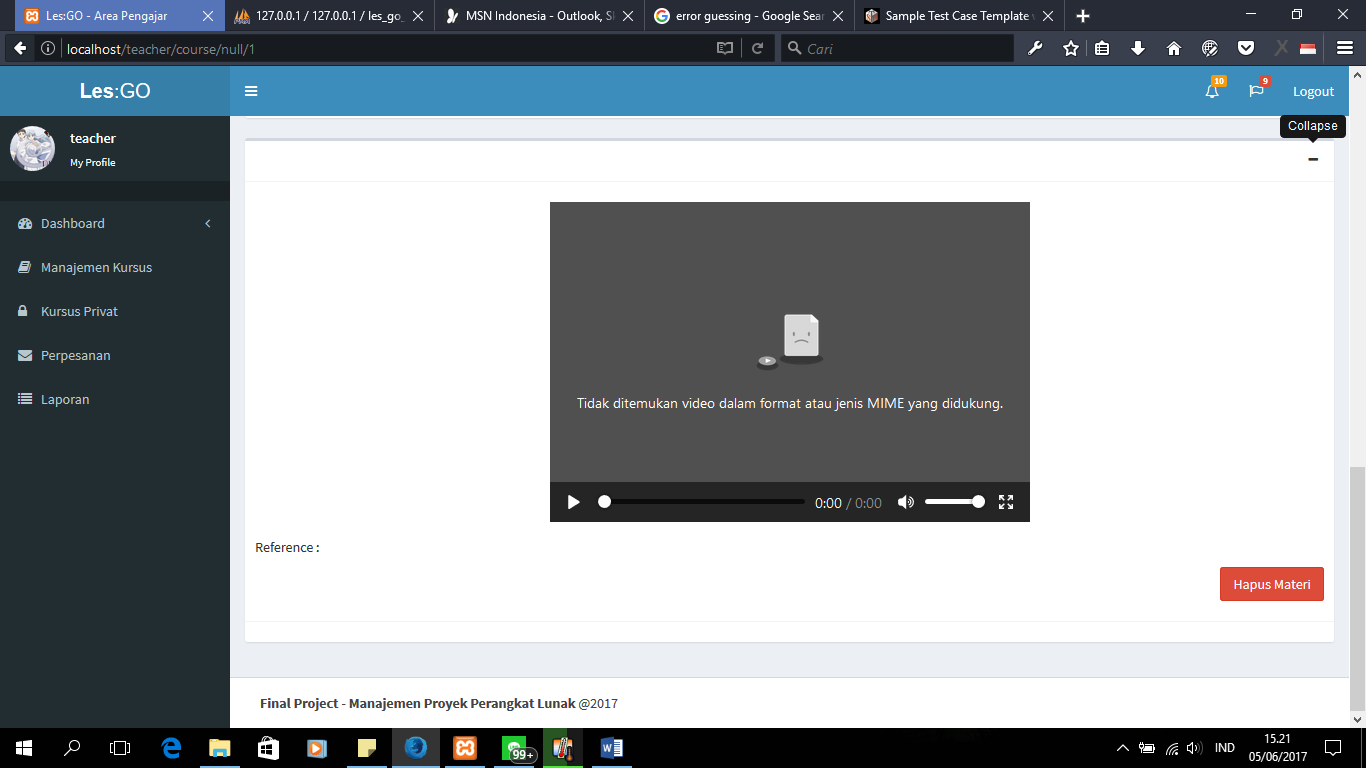
**Post-conditions:**

Materi yang diupload berhasil di simpan oleh sistem

Screenshot ketika mengisi form inputan



Screenshot materi berhasil diupload



|  |  |
| --- | --- |
| **Black Box Testing #3 – Decision Table Testing** | |
| **Test Case ID:** LGF\_03 | **Test Designed by:** Zain Kurniawan |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO tambah kursus | **Test Executed by:** Zain Kurniawan |
| **Test Title:** Tambah kursus | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk menyimpan pengubahan data kursus dengan beberapa keadaan input yang berbeda |  |
|  |  |
|  |  |
| **Pre-conditions: Pengguna berhasil login sebagai teacher** | |
| **Dependencies: -** | |

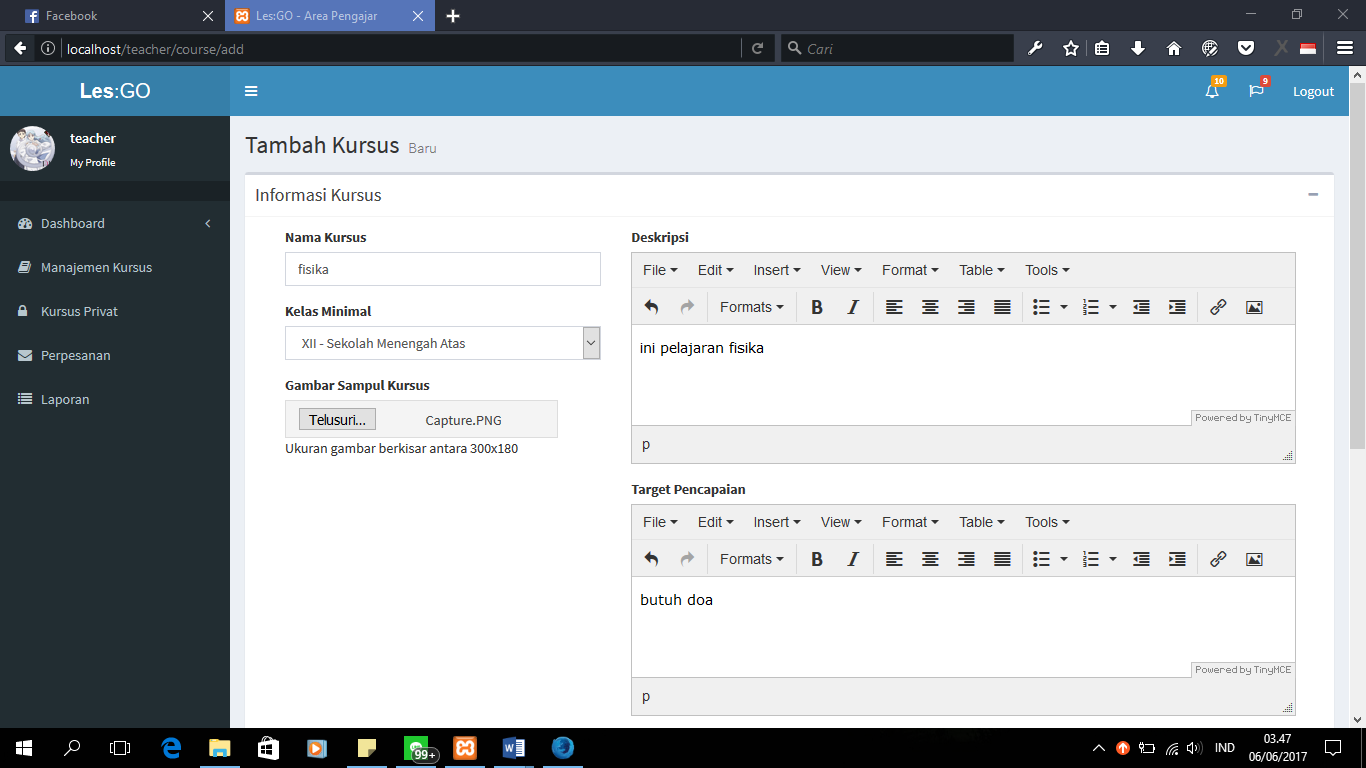
Deccision Table (Expected Result )

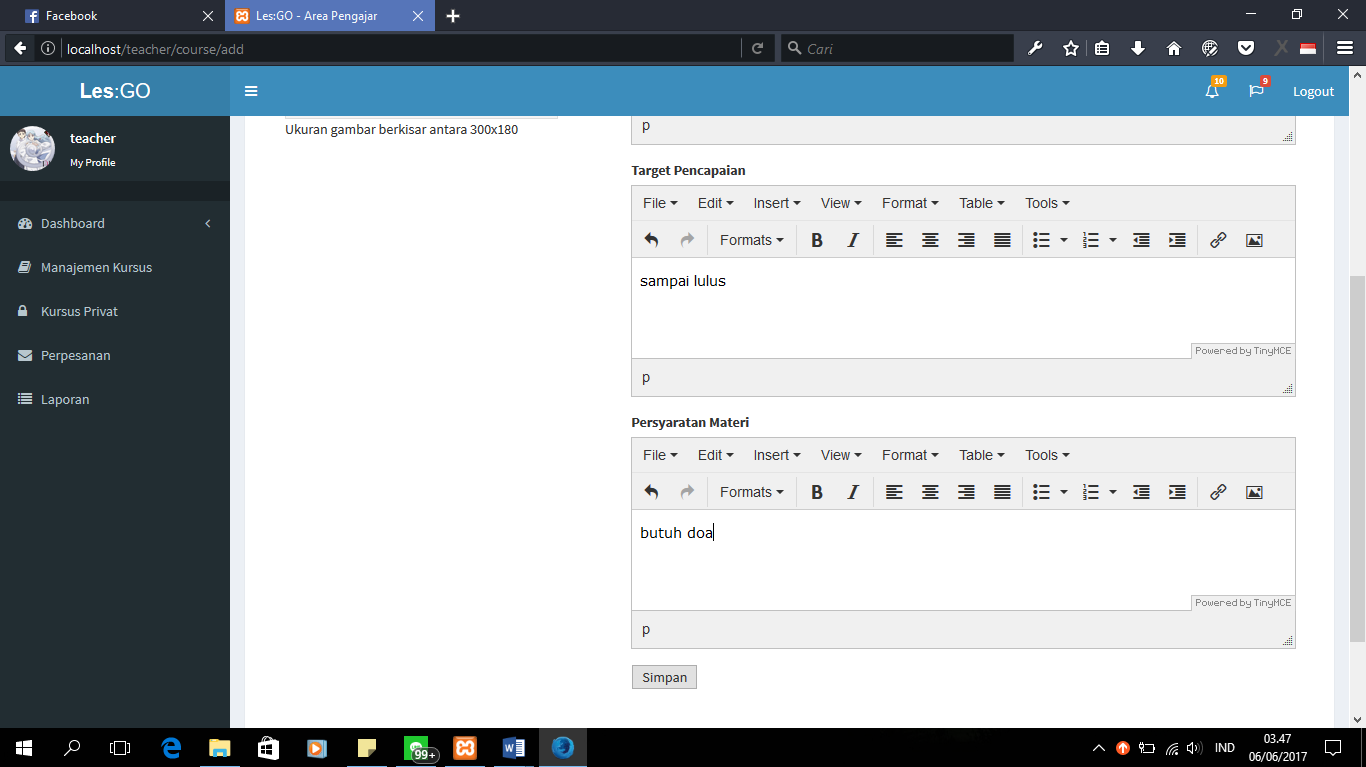
|  |  |  |
| --- | --- | --- |
|  | Case 1 | Case 2 |
| Nama | Y | Y |
| Foto | Y | N |
| Deskripsi | Y | Y |
| Persyaratan | Y | Y |
| Target Pencapaian | Y | Y |
| Data tersimpan | Y | Y |
| Error Log | N | N |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna membuka halaman tambah kursus |  |  |  |  |  |
| 2 | Pengguna melakukan pengubahan data kursus yang sesuai dengan case 1 | Semua form terisi dengan input valid |  |  |  |  |
| 3 | Pengguna melakukan submit form |  |  |  |  |  |
| 4 | SIstem menyimpan hasil edit |  | Sistem menyimpan hasil tambah kursus | Sistem berhasil menyompan hasil tambah kursus | Success |  |

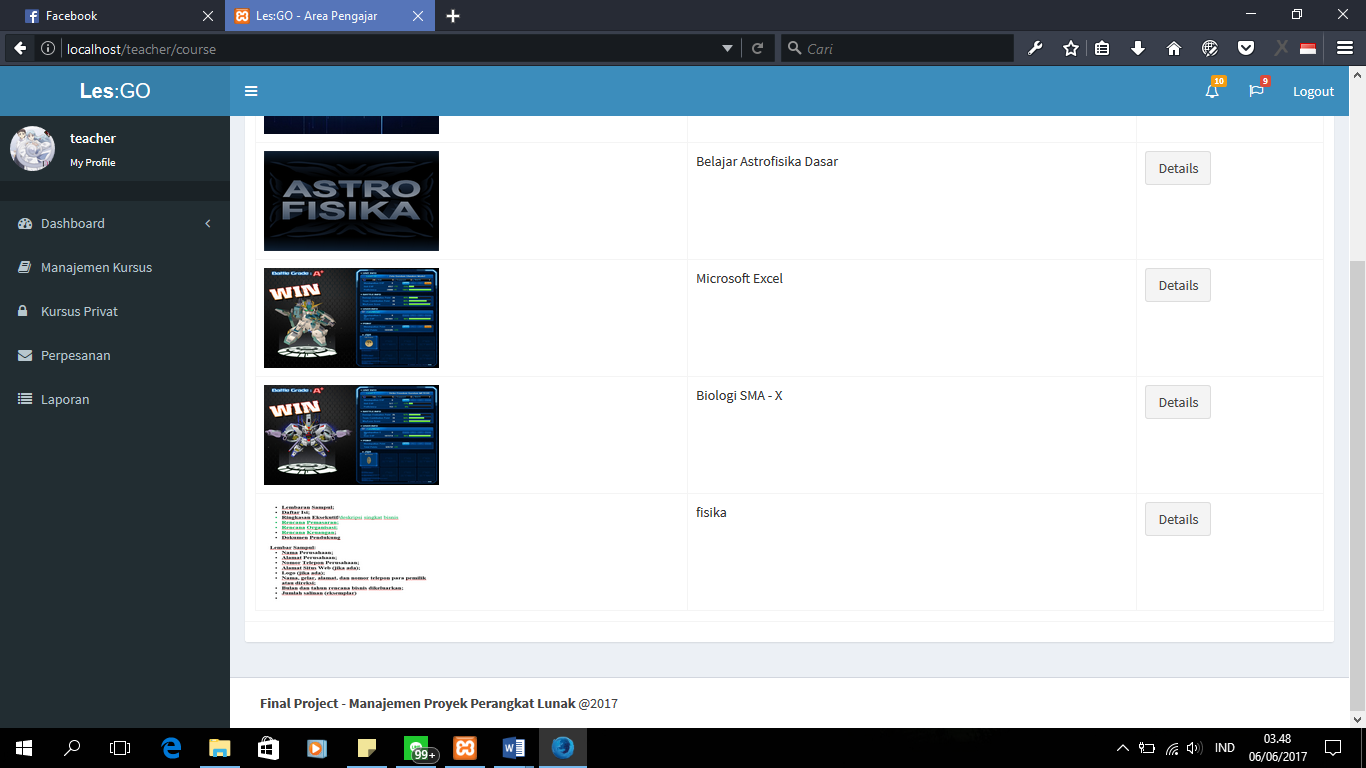
**Post-conditions:**

Data kursus telah diubah dalam database,





Hasil



|  |  |
| --- | --- |
| **Black Box Testing #4 – Decision Table Testing** | |
| **Test Case ID:** LGF\_04 | **Test Designed by:** Zain Kurniawan |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO tambah kursus | **Test Executed by:** Zain Kurniawan |
| **Test Title:** Tambah kursus | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk menyimpan pengubahan data kursus dengan beberapa keadaan input yang berbeda |  |
|  |  |
|  |  |
| **Pre-conditions: Pengguna berhasil login sebagai teacher** | |
| **Dependencies: -** | |

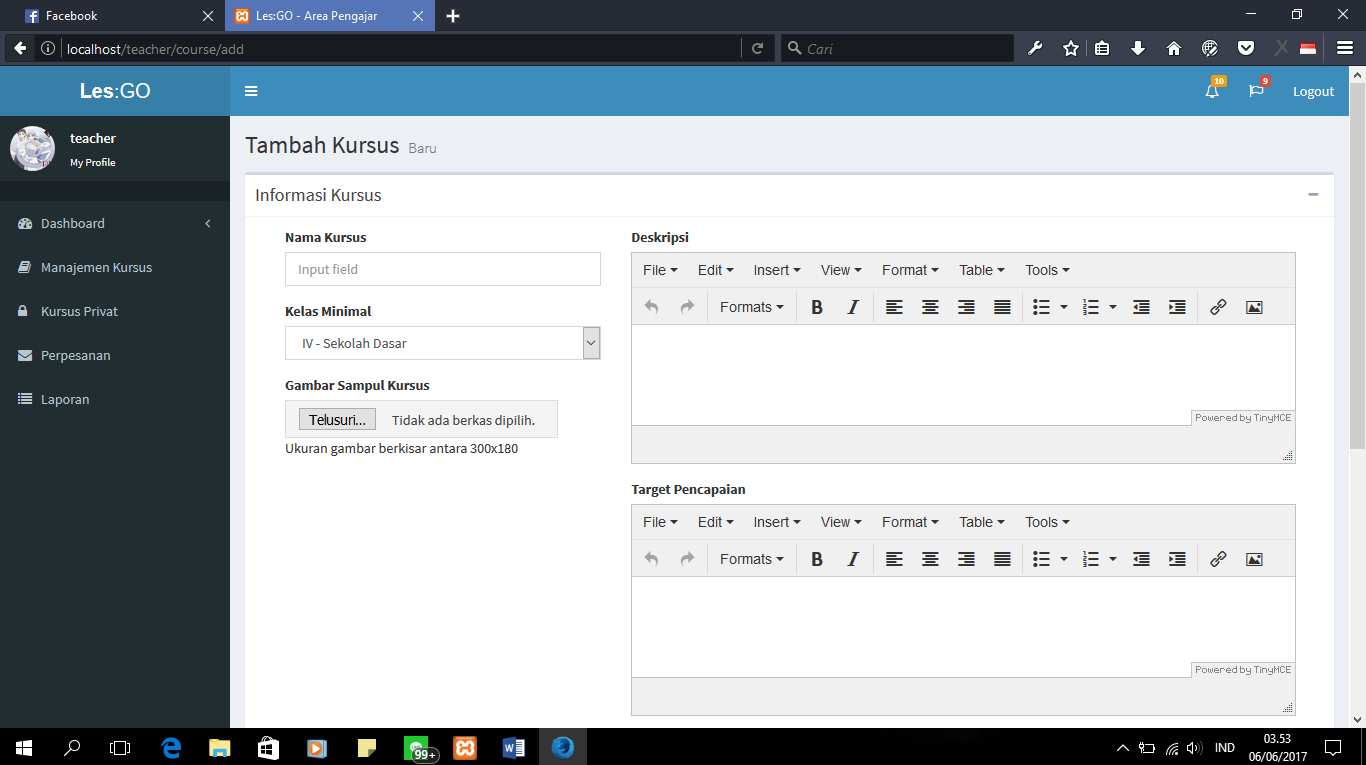
Deccision Table (Expected Result )

|  |  |  |
| --- | --- | --- |
|  | Case 1 | Case 2 |
| Nama | Y | N |
| Foto | Y | N |
| Deskripsi | Y | N |
| Persyaratan | Y | N |
| Target Pencapaian | Y | N |
| Data tersimpan | Y | Y |
| Error Log | N | N |

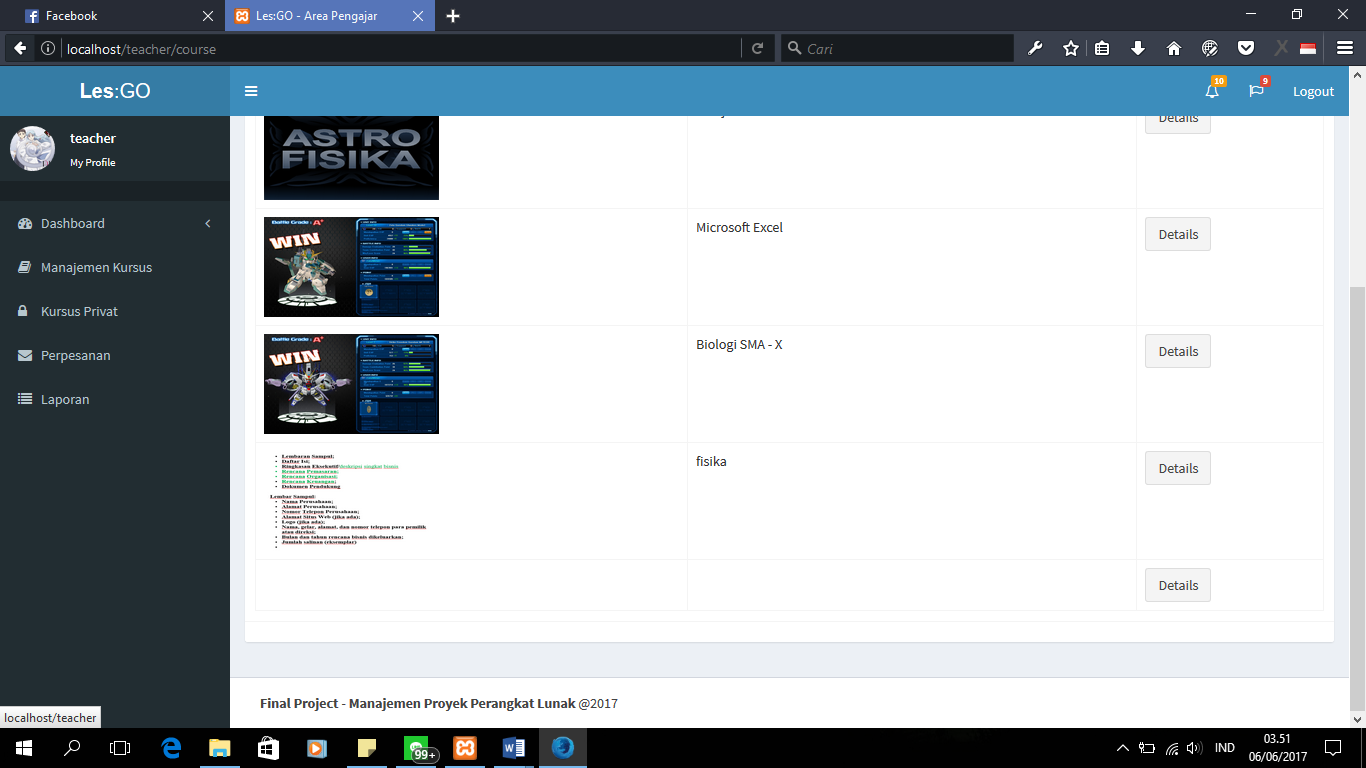
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna membuka halaman tambah kursus |  |  |  |  |  |
| 2 | Pengguna melakukan pengubahan data kursus yang sesuai dengan case 2 | Semua form tidak terisi |  |  |  |  |
| 3 | Pengguna melakukan submit form |  |  |  |  |  |
| 4 | SIstem menyimpan hasil edit |  | Sistem menyimpan tidak bisa menyimpan hasil tambah kursus | Sistem berhasil menyompan hasil tambah kursus | Success |  |

**Post-conditions:**

Data kursus telah diubah dalam database,



sesudah

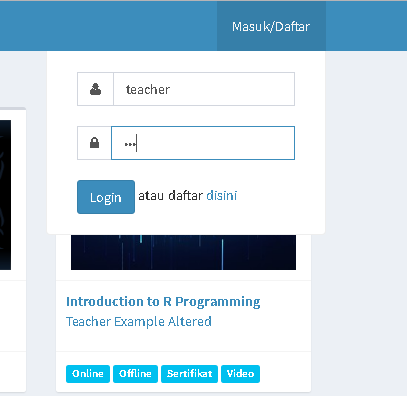
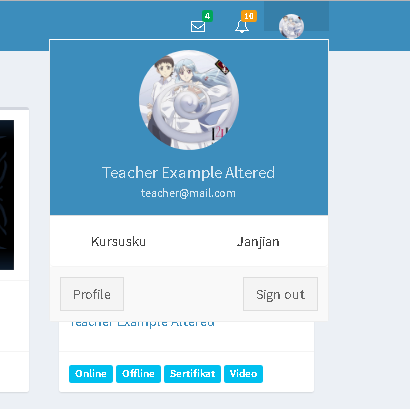


|  |  |
| --- | --- |
| **Black Box Testing #5 – Error Guessing** | |
| **Test Case ID:** LGF\_05 | **Test Designed by:** Abyan Naufal |
| **Test Priority (Low/Medium/High):** Tinggi | **Test Designed date:** June, 4th 2017 |
| **Module Name:** Les; GO Login | **Test Executed by:** Abyan Naufal |
| **Test Title:** Verifikasi halaman login user | **Test Execution date:** June, 5th 2017 |
| **Description:** Menguji halaman login khusus untuk user |  |
|  |  |
|  |  |
| **Pre-conditions:** Menguji dengan username dan password valid milik teacher dan admin | |
| **Dependencies:** | |

**Post-conditions:** Teacher dan admin tidak bisa login kedalam aplikasi melalui halaman login user

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Tester membuka halaman main |  |  |  |  |  |
| 2 | Tester menginput username | Username: teacher |  |  |  | Data teacher |
| 3 | Tester menginput password | Password : 123 |  |  |  |  |
| 4 | Tester menekan tombol Login |  | Tester tidak dapat masuk | Tester dapat masuk | Gagal |  |

Sebelum Sesudah

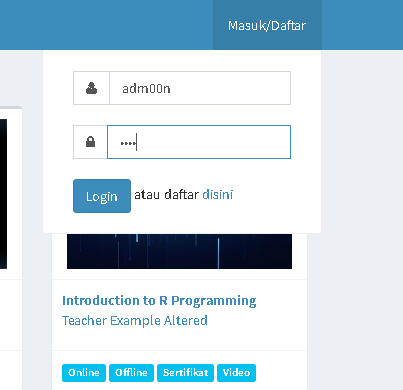
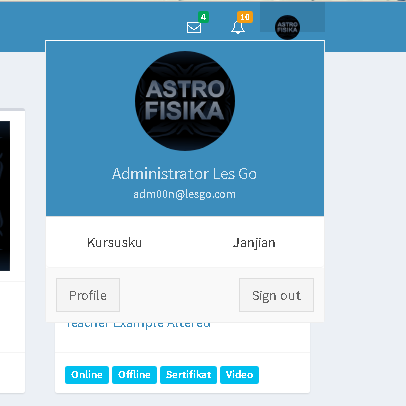
 

|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #6 – Error Guessing** | |
| **Test Case ID:** LGF\_06 | **Test Designed by:** Abyan Naufal |
| **Test Priority (Low/Medium/High):** Tinggi | **Test Designed date:** June, 4th 2017 |
| **Module Name:** Les; GO Login | **Test Executed by:** Abyan Naufal |
| **Test Title:** Verifikasi halaman login user | **Test Execution date:** June, 5th 2017 |
| **Description:** Menguji halaman login khusus untuk user |  |
|  |  |
|  |  |
| **Pre-conditions:** Menguji dengan username dan password valid milik teacher dan admin | |
| **Dependencies:** | |

**Post-conditions:** Teacher dan admin tidak bisa login kedalam aplikasi melalui halaman login user

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Tester membuka halaman main |  |  |  |  |  |
| 2 | Tester menginput username | Username: adm00n |  |  |  | Data admin |
| 3 | Tester menginput password | Password : 1234 |  |  |  |  |
| 4 | Tester menekan tombol Login |  | Tester tidak dapat masuk | Tester dapat masuk | Gagal |  |

Sebelum Sesudah

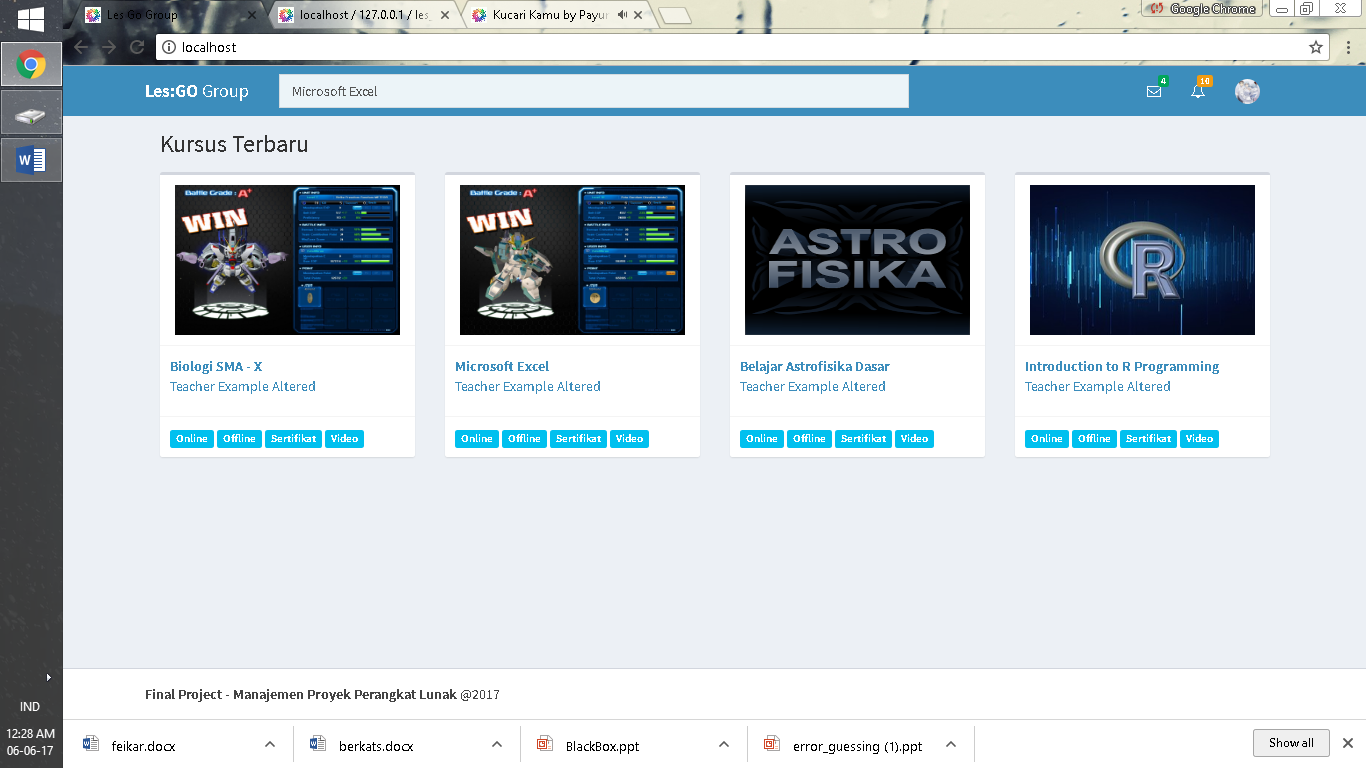
|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #7 – Decision Table Testing** | |
| **Test Case ID:** LGF\_07 | **Test Designed by:** Abyan Naufal |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Base | **Test Executed by:** Abyan Naufal |
| **Test Title:** Verifikasi Search | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk mencari data kursus sesuai dengan input yang diberi |  |
|  |  |
|  |  |
| **Pre-conditions: -** | |
| **Dependencies:** | |

**Post-conditions:** Hasil search data kursus ditampilkan sesuai dengan input keyword yang diberi

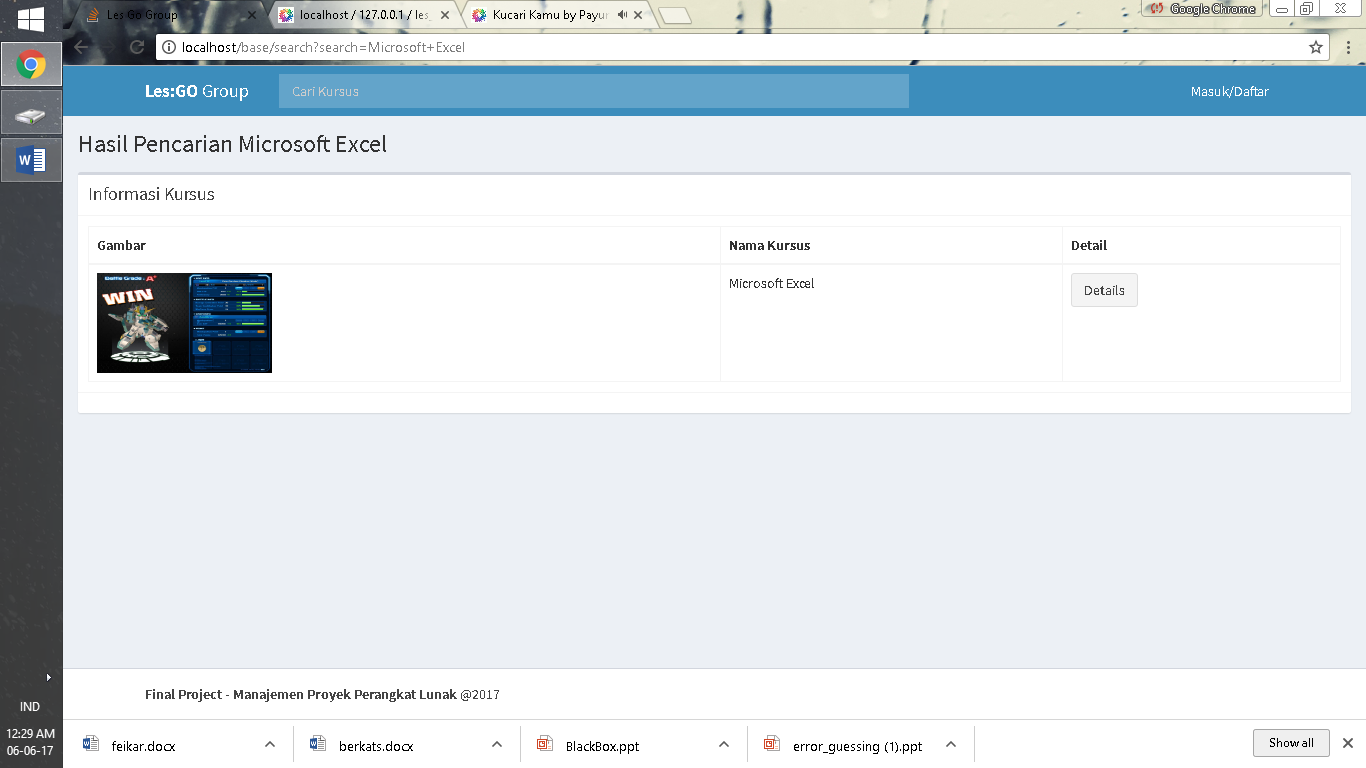
|  |  |  |
| --- | --- | --- |
|  | Case 1 | Case 2 |
| Keyword | Y | Y |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Tester menginput keyword | Microsoft Excel |  |  |  |  |
| 2 | Tester menekan tombol Search |  | Hasil search ditampilkan sesuai | Hasil search ditampilkan sesuai | Sukses |  |

Sebelum



Sesudah



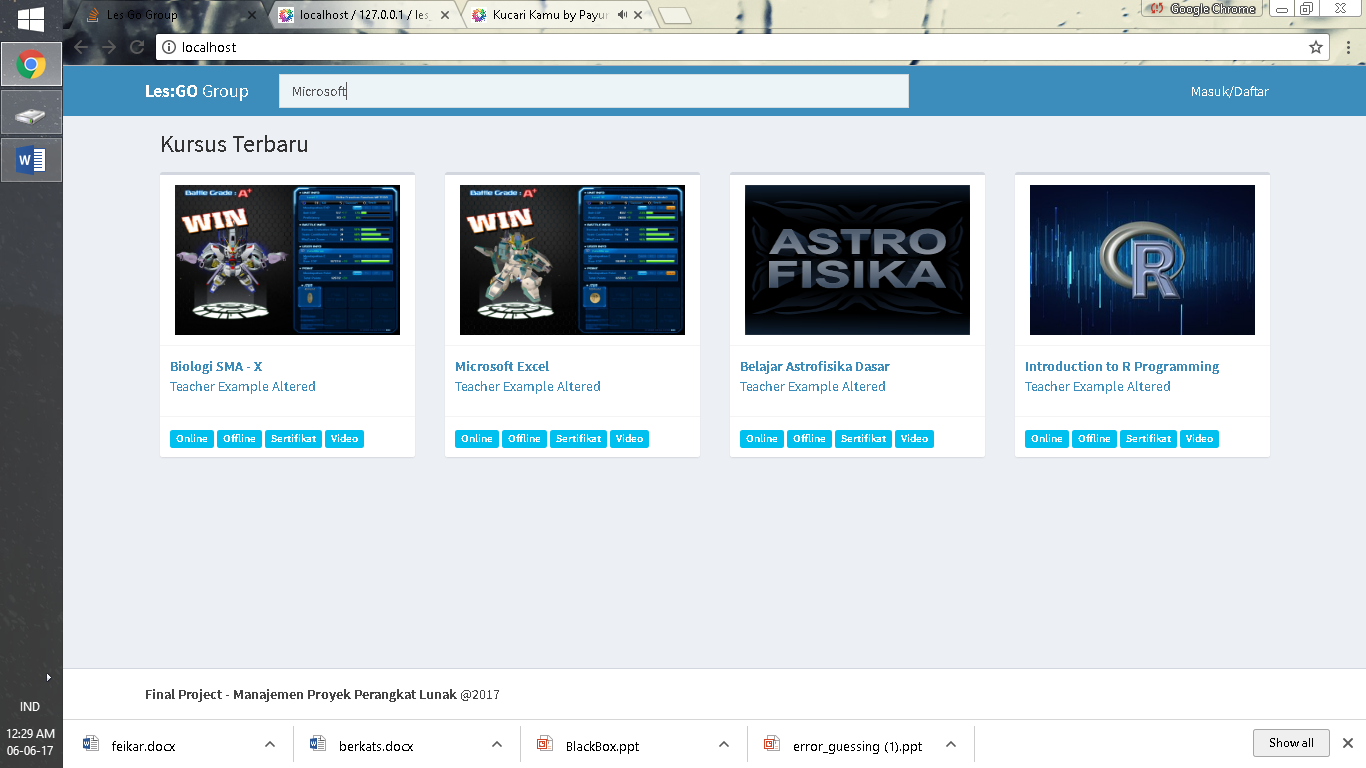
|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #8 – Decision Table Testing** | |
| **Test Case ID:** LGF\_08 | **Test Designed by:** Abyan Naufal |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Base | **Test Executed by:** Abyan Naufal |
| **Test Title:** Verifikasi Search | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk mencari data kursus sesuai dengan input yang diberi |  |
|  |  |
|  |  |
| **Pre-conditions: -** | |
| **Dependencies:** | |

**Post-conditions:** Hasil search data kursus ditampilkan sesuai dengan input keyword yang diberi

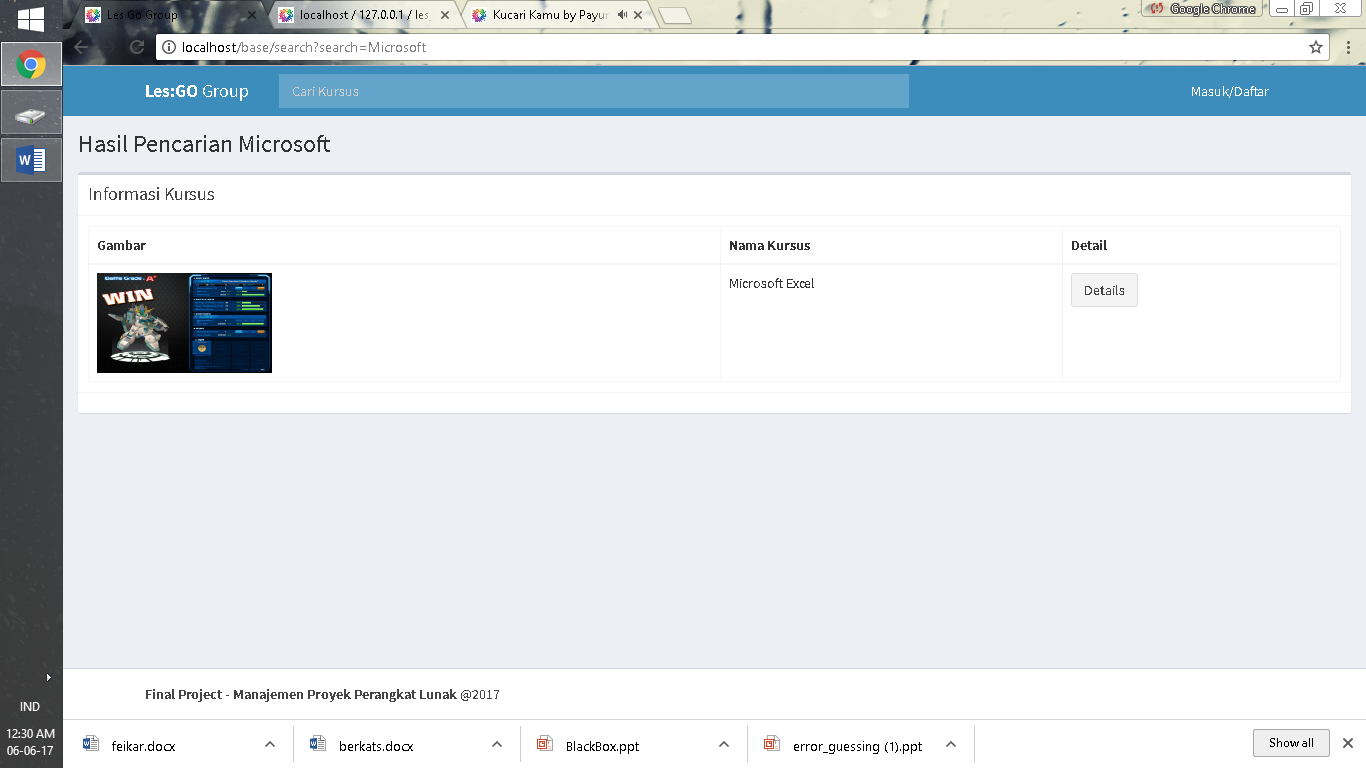
|  |  |  |
| --- | --- | --- |
|  | Case 1 | Case 2 |
| Keyword | Y | N |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Tester menginput keyword | Microsoft |  |  |  |  |
| 2 | Tester menekan tombol Search |  | Hasil search ditampilkan sesuai | Hasil search ditampilkan sesuai | Sukses |  |

Sebelum



Sesudah



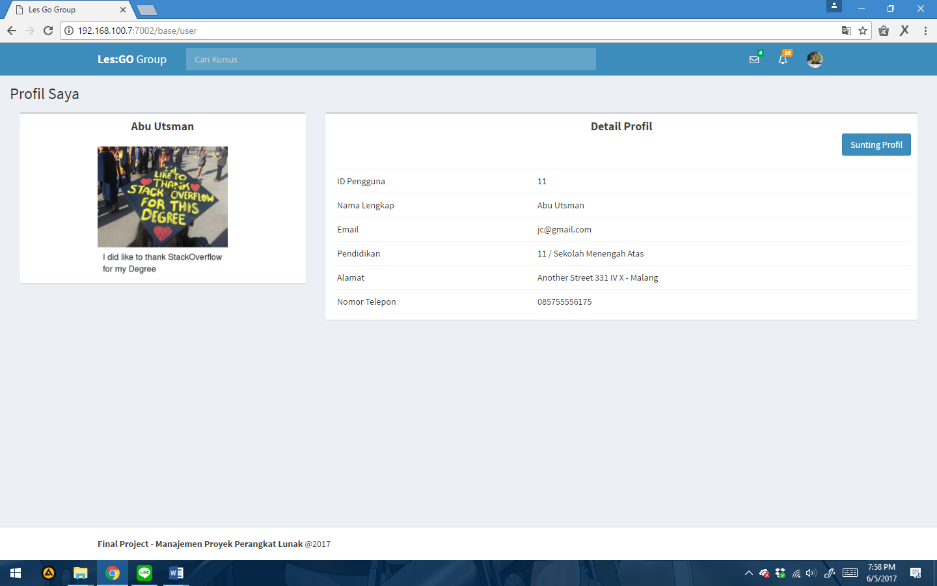
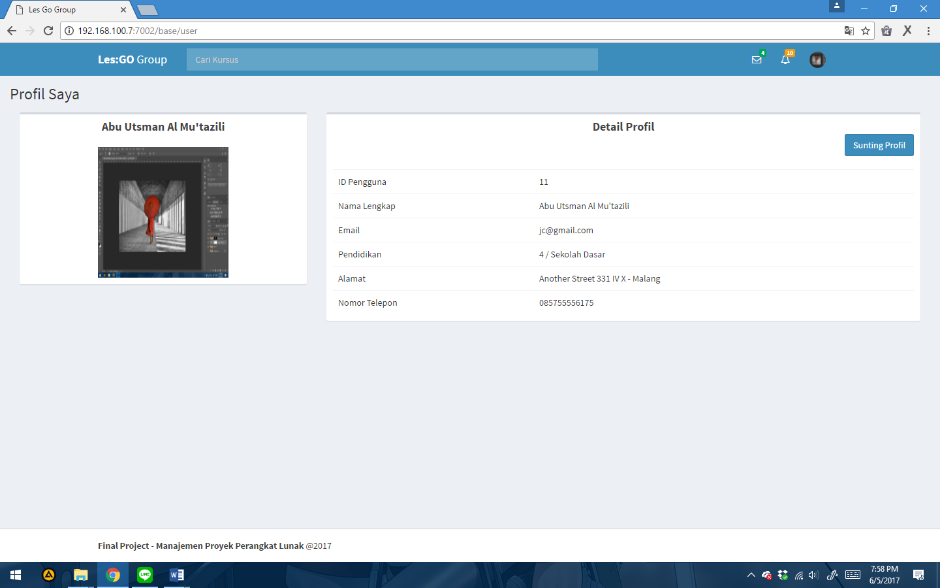
|  |  |
| --- | --- |
| **Black Box Testing #9 – Error Guessing** | |
| **Test Case ID:** LGF\_09 | **Test Designed by:** Rizki Maulana Akbar |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Edit Profil | **Test Executed by:** Rizki Maulana Akbar |
| **Test Title:** Edit Kursus | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk menyimpan data pengguna yang telah diedit dengan kasus nama lengkap pengguna mengandung tanda ‘ contoh : Abu Utsman menjadi Abu Utsman Al Mu’tazili |  |
|  |  |
|  |  |
| **Pre-conditions: Pengguna berhasil login** | |
| **Dependencies: -** | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna membuka halaman edit profil |  |  |  |  |  |
| 2 | Pengguna melakukan pengubahan nama | Nama pengguna : Abu Utsman Al Mu’tazili |  |  |  |  |
| 3 | Pengguna melakukan submit form |  |  |  |  |  |
| 4 | SIstem menyimpan hasil edit |  | Sistem menyimpan data pengguna | Sistem berhasil menyimpan data pengguna | Sucess |  |

**Post-conditions:**

Sistem melakukan penyimpanan terhadap perubahan data pengguna

Sebelum Sesudah

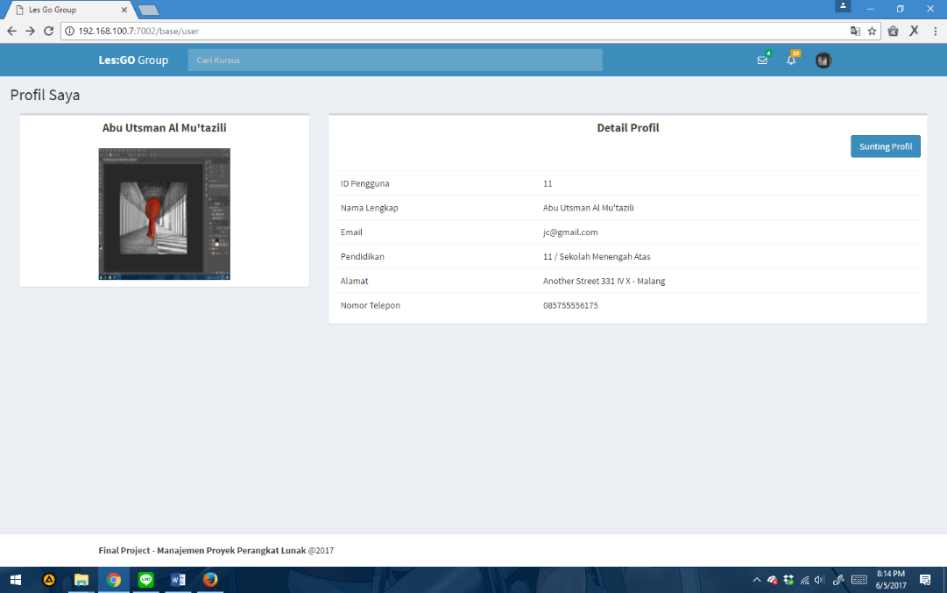
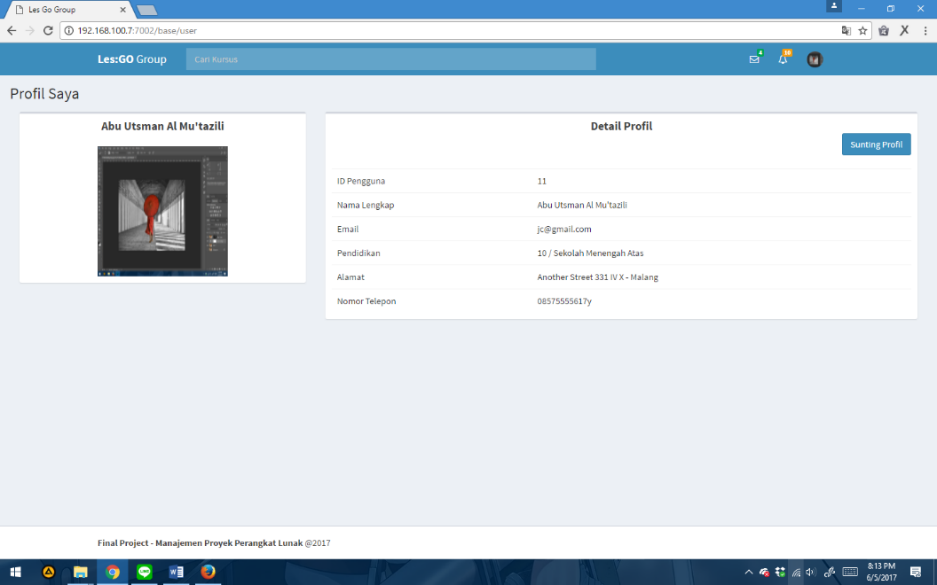


|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #10 – Error Guessing** | |
| **Test Case ID:** LGF\_010 | **Test Designed by:** Rizki Maulana Akbar |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Edit Profil | **Test Executed by:** Rizki Maulana Akbar |
| **Test Title:** Edit Kursus | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk menyimpan data pengguna yang telah diedit dengan kasus nomor telepon berupa alphabet / bukan angka numerik |  |
|  |  |
|  |  |
| **Pre-conditions: Pengguna berhasil login** | |
| **Dependencies: -** | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna membuka halaman edit profil |  |  |  |  |  |
| 2 | Pengguna melakukan pengubahan nomor telepon namun tercampur dengan alfabet | Nomor Telepon : 08575555617y |  |  |  |  |
| 3 | Pengguna melakukan submit form |  |  |  |  |  |
| 4 | SIstem menyimpan hasil edit |  | Sistem memberikan peringatan bahwa data tidak sesuai | Sistem berhasil menyimpan data pengguna | Fail |  |

**Post-conditions:**

Sistem melakukan penyimpanan terhadap perubahan data pengguna

 Sebelum Sesudah

|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #11 – Decision Table Testing** | |
| **Test Case ID:** LGF\_011 | **Test Designed by:** Rizki Maulana Akbar |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Edit Profil | **Test Executed by:** Rizki Maulana Akbar |
| **Test Title:** Edit Kursus | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk menyimpan pengubahan data kursus dengan beberapa keadaan input yang berbeda |  |
|  |  |
|  |  |
| **Pre-conditions: Pengguna berhasil login sebagai teacher** | |
| **Dependencies: -** | |

Deccision Table (Expected Result )

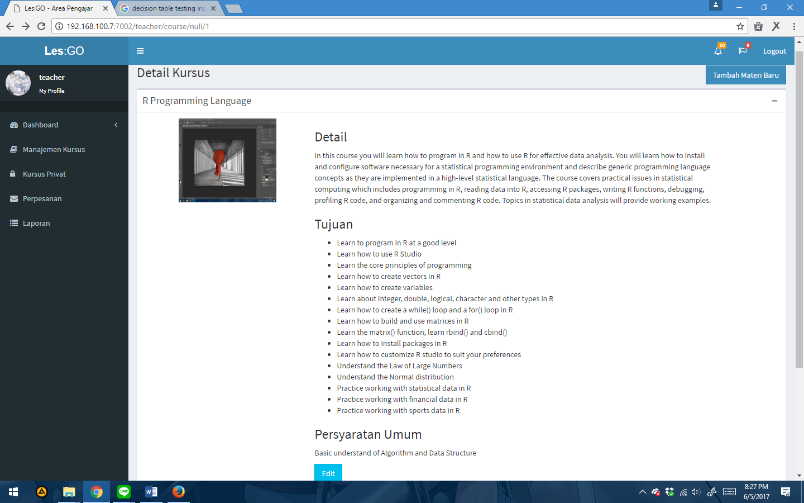
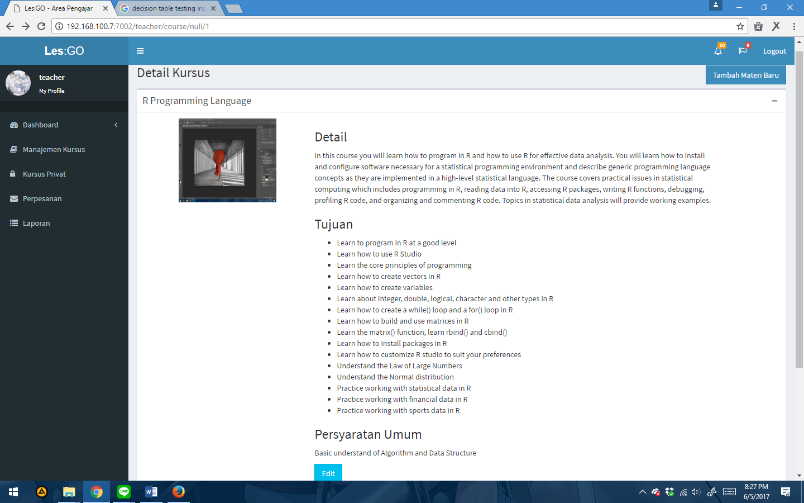
|  |  |  |
| --- | --- | --- |
|  | Case 1 | Case 2 |
| Nama | Y | Y |
| Foto | Y | N |
| Deskripsi | Y | Y |
| Persyaratan | Y | Y |
| Target Pencapaian | Y | Y |
| Data tersimpan | Y | Y |
| Error Log | N | N |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna membuka halaman edit kursus |  |  |  |  |  |
| 2 | Pengguna melakukan pengubahan data kursus yang sesuai dengan case 1 | Semua form terisi dengan input valid |  |  |  |  |
| 3 | Pengguna melakukan submit form |  |  |  |  |  |
| 4 | SIstem menyimpan hasil edit |  | Sistem menyimpan hasil pengubahan kursus | Sistem berhasil menyompan hasil pengubahan kursus | Success |  |

**Post-conditions:**

Data kursus telah diubah dalam database,

Sebelum Sesudah



|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #12 – Decision Table Testing** | |
| **Test Case ID:** LGF\_012 | **Test Designed by:** Rizki Maulana Akbar |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Edit Profil | **Test Executed by:** Rizki Maulana Akbar |
| **Test Title:** Edit Kursus | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk menyimpan pengubahan data kursus dengan beberapa keadaan input yang berbeda |  |
|  |  |
|  |  |
| **Pre-conditions: Pengguna berhasil login sebagai teacher** | |
| **Dependencies: -** | |

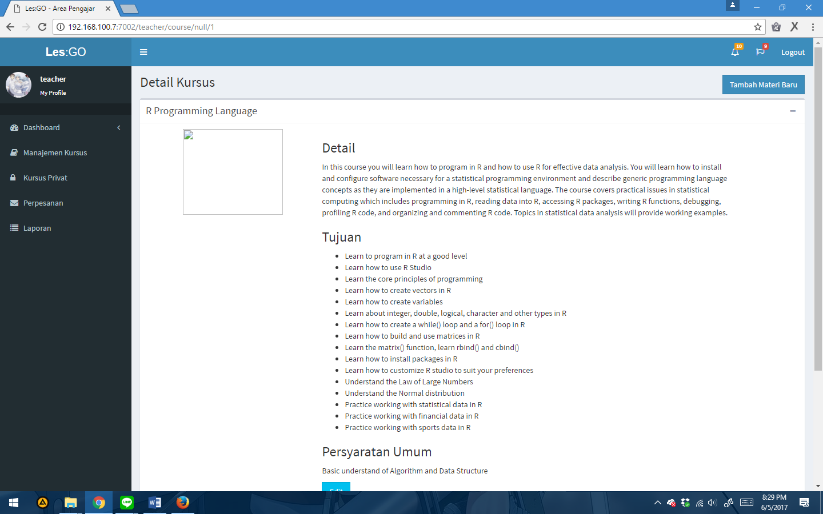
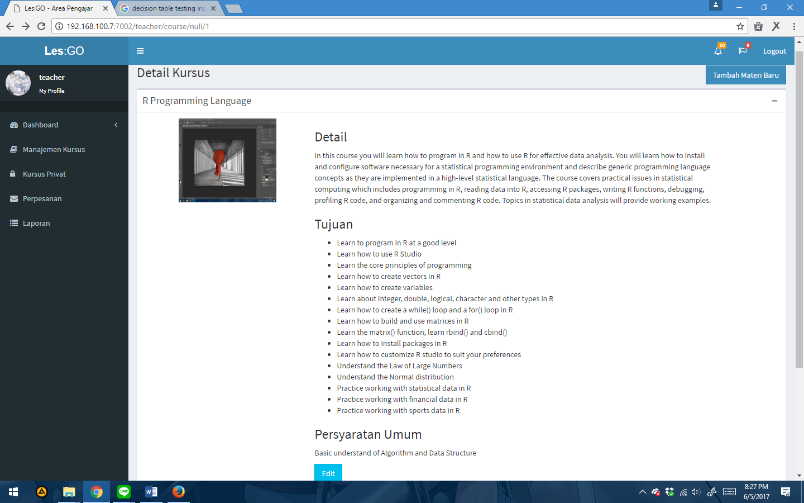
Deccision Table (Expected Result )

|  |  |  |
| --- | --- | --- |
|  | Case 1 | Case 2 |
| Nama | Y | Y |
| Foto | Y | N |
| Deskripsi | Y | Y |
| Persyaratan | Y | Y |
| Target Pencapaian | Y | Y |
| Data tersimpan | Y | Y |
| Error Log | N | N |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Pengguna membuka halaman edit kursus |  |  |  |  |  |
| 2 | Pengguna melakukan pengubahan data kursus yang sesuai dengan case 2 | Semua form terisi dengan input valid, kecuali form photo yang dibiarkan kosong |  |  |  |  |
| 3 | Pengguna melakukan submit form |  |  |  |  |  |
| 4 | SIstem menyimpan hasil edit |  | Sistem menyimpan hasil pengubahan kursus | Sistem berhasil menyompan hasil pengubahan kursus | Success |  |

**Post-conditions:**

Data kursus telah diubah dalam database,

 Sebelum Sesudah

|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #13 – Error Guessing** | |
| **Test Case ID:** LGF\_013 | **Test Designed by:** Rizky Muhammad |
| **Test Priority (Low/Medium/High):** Tinggi | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; Minta Kursus Private | **Test Executed by:** Rizky Muhammad |
| **Test Title:** Verifikasi fungsi kursus Private | **Test Execution date:** June, 5th 2017 |
| **Description:** Menguji fungsi pemilihan kursus privat |  |
|  |  |
|  |  |
| **Pre-conditions:** harus masuk ke halaman detail kursus | |
| **Dependencies:** | |

**Post-conditions:** tombol ikuti kursus private dilkik kemudian muncul eror tidak dapat berhasil mengikuti kursus private

**CASE 1**

Test case #1 – Login dengan username dan password milik teacher

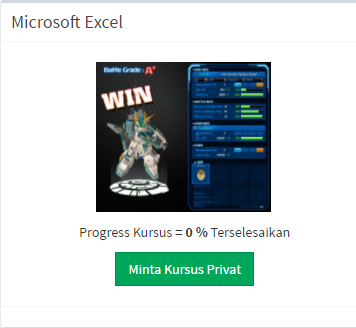


Figure 1Sebelum dites

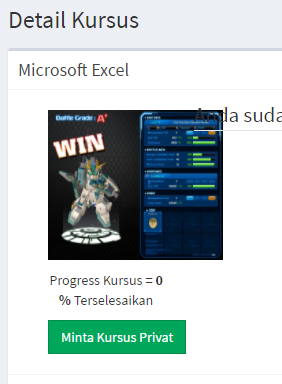


Figure 2setelah diuji

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data (Guess)** | **Expected Result** | **Actual Result** | **Status** |
|  |  |  |  |  |  |
| 1 | Melakukan klik tombol ikuti les private |  | Berhasil mengikuti les private, tombol tidak dapat diklik | Gagal mengikuti les private, tombol minta kursus privat masih dapat diklik | gagal |

|  |  |
| --- | --- |
| **Test Case ID:** LGF\_014 | **Test Designed by:** Rizky Muhammad |
| **Test Priority (Low/Medium/High):** Tinggi | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; ikuti kursus | **Test Executed by:** Rizky Muhammad |
| **Test Title:** Verifikasi fungsi ikuti kursus | **Test Execution date:** June, 5th 2017 |
| **Description:** Menguji fungsi pemilihan ikuti kursus |  |
|  |  |
|  |  |
| **Pre-conditions:** harus masuk ke halaman tutor kursus. | |
| **Dependencies:** | |

**Post-conditions:** tombol ikuti kursus diklik lalu pindah ke halaman detail kursus serta detail progress kursus.

**CASE 2**

Test case #2 melakukan klik tombol ikuti kursus.

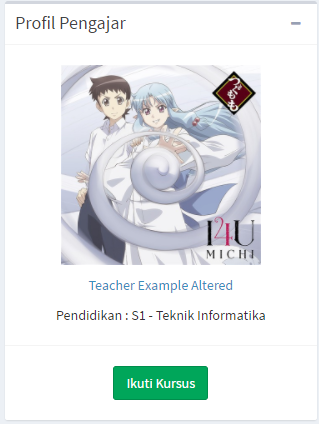


Figure 3 sebelum dites

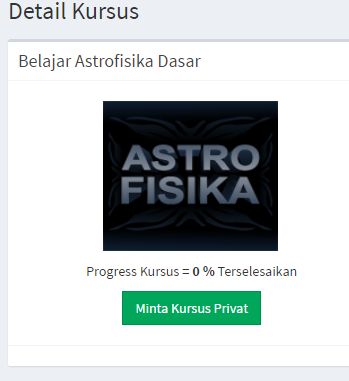


Figure 4 setelah pengujian

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data (Guess)** | **Expected Result** | **Actual Result** | **Status** |
|  |  |  |  |  |  |
| 1 | Masuk ke halaman kursus tutor |  |  |  |  |
| 2 | Melakukan klik pada tombol ikuti kursus |  | Masuk kedalam detail kursus | Masuk ke dalam detail kursus | Berhasil |

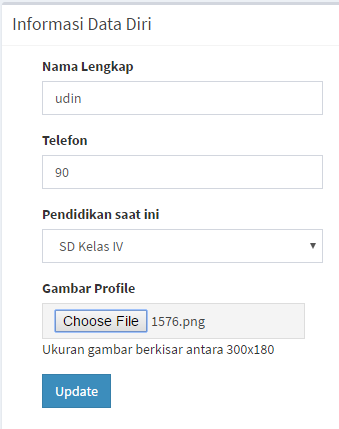
|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **Black Box Testing #14 – Decision Table Testing** | |
| **Test Case ID:** LGF\_015-LGF\_016 | **Test Designed by:** Rizky Muhammad |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** June, 6th 2017 |
| **Module Name:** Les; GO Ubah Profil | **Test Executed by:** Rizky Muhammad |
| **Test Title:** Ubah Profil | **Test Execution date:** June, 6th 2017 |
| **Description:** Testing dilakukan untuk menguji kapabilitas sistem untuk menyimpan pengubahan data profil |  |
|  |  |
|  |  |
| **Pre-conditions: Pengguna berada pada halaman edit profil** | |
| **Dependencies: -** | |
|  | |

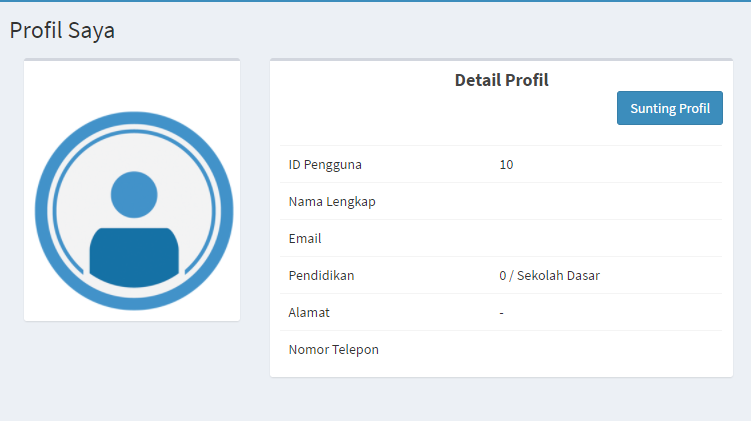
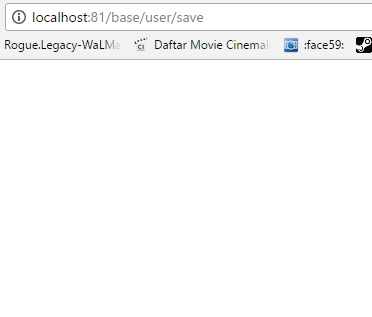
Decision Table

|  |  |  |
| --- | --- | --- |
|  | Case 1 | Case 2 |
| Nama | Y | Y |
| Telefon | Y | Y |
| Pendidikan saat ini | Y | Y |
| Gambar | Y | N |

**Case 1.** LGF\_015

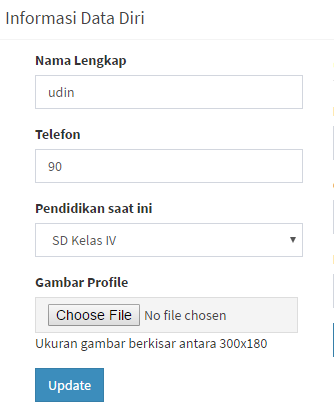
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Mengisi Nama Lengkap | Udin |  |  |  |  |
|  | Mengisi Telefon | 90 |  |  |  |  |
|  | Mengisi Pendidikan saat ini | SD Kelas IV |  |  |  |  |
|  | Pilih file gambar | 1576.png |  |  |  |  |
| 2 | update |  | Redirect ke halaman prfil , dan profil berubah | Redirect ke halaman kososng, profil tidak berubah | Gagl |  |



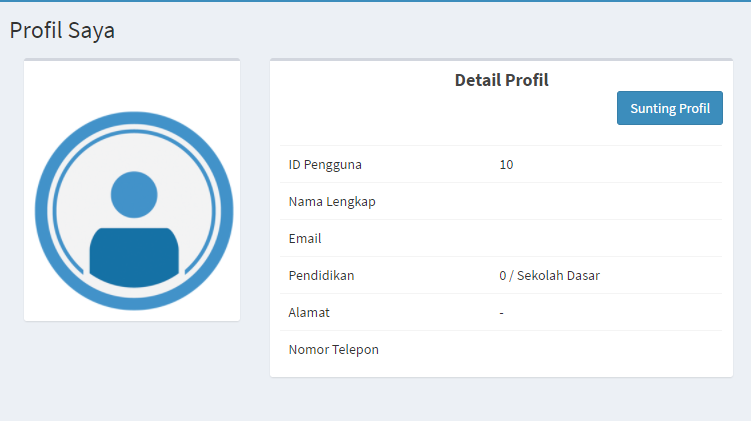
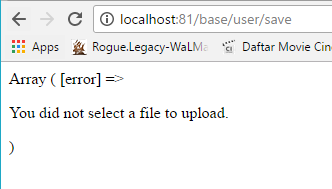
 Hasil Case 1.

**Case 2..** LGF\_016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Mengisi Nama Lengkap | Udin |  |  |  |  |
|  | Mengisi Telefon | 90 |  |  |  |  |
|  | Mengisi Pendidikan saat ini | SD Kelas IV |  |  |  |  |
|  | Pilih file gambar | - |  |  |  |  |
| 2 | update |  | Redirect ke profil tanpa mengubah gambarnya | Redirect ke halaman kososng, dengan tulisan you not choosen any file | Gagl |  |



Hasil Case 2.

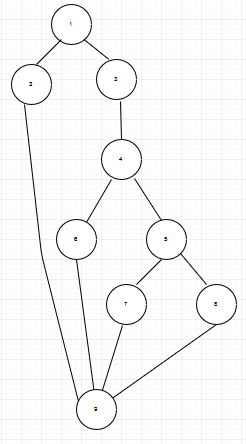


White Box Testing

|  |  |
| --- | --- |
| **White Box Testing #1 – Basic Path Testing** | |
| **Test Case ID:** LGW\_01 | **Test Designed by:** Zain Kurniawan |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO teacher.php | **Test Executed by:** Zain Kurniawan |
| **Test Title:** Function login | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing unit function login |  |
|  |  |
|  |  |
| **Pre-conditions: -** | |
| **Dependencies: -** | |

|  |  |
| --- | --- |
| 1  2  3  4  5  5  5  5  5  5  5  6  6  6  7  7  7  7  7  7  7  7  7  8  8  8  8  8  8  8  8  9 | START  public function login()  {  if($this->session->userdata('teacher')!=null){  redirect('/teacher/index');  }else{  if($this->input->post('submit')!=null){  $username = $this->input->post('username');  $password = $this->input->post('password');  $remember = $this->input->post('remember');  $this->load->model('User\_general');  $user = array('username'=>$username,'password'=>$password, 'role'=>3);  $result = $this->model->User\_general->find($user);  if($result !=null){  $this->session->set\_userdata('teacher',serialize($result));  redirect('/teacher/index');  }else{  $data = array();  $data['page'] = null;  $data['site\_title'] = "Les:GO - Area Pengajar Login";  $data['login'] = "Login Gagal, Silahkan Coba Kembali";  $this->load->view('teacher/layout/header',$data);  $this->load->view('teacher/page/login',$data);  $this->load->view('teacher/layout/footer',$data);  }  }else{  $data = array();  $data['page'] = null;  $data['site\_title'] = "Les:GO - Area Pengajar Login";  $data['login'] = null;  $this->load->view('teacher/layout/header',$data);  $this->load->view('teacher/page/login',$data);  $this->load->view('teacher/layout/footer',$data);  }  }  }  END |

Flow Graph



Cyclomatic Compexlity

Region : 4 Edge : 11 Node : 9

V(G) = R

V(G) = 3 + 1 = 4

V(G) = 11 – 9 + 2 = 4

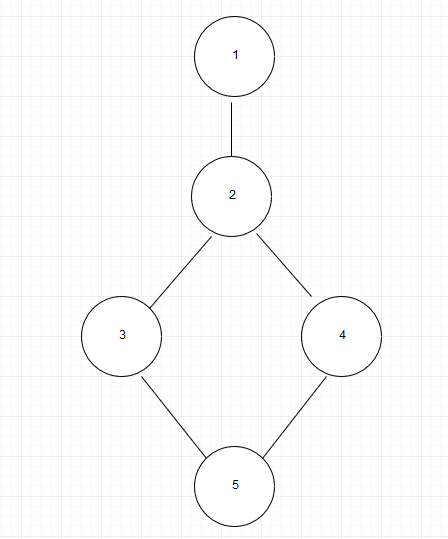
Independent Path :

1. 1 – 2 – 9
2. 1 – 3 – 4 – 6 – 9
3. 1 – 3 – 4 – 5 – 7 – 9
4. 1 – 3 – 4 – 5 – 8 - 9

|  |  |
| --- | --- |
| **White Box Testing #2 – Basic Path Testing** | |
| **Test Case ID:** LGW\_02 | **Test Designed by:** Zain Kurniawan |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO base.php | **Test Executed by:** Zain Kurniawan |
| **Test Title:** Function login | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing unit function login |  |
|  |  |
|  |  |
| **Pre-conditions: -** | |
| **Dependencies: -** | |

|  |  |
| --- | --- |
| 1  2  2  2  2  2  2  2  2  3  3  3  3  4  4  4  4  4  5 | START  public function login()  {  $username = $this->input->post('username');  $password = $this->input->post('password');  $remember = $this->input->post('remember');  $this->load->model('User\_general');  $this->load->model('User\_details');  $user = array('username'=>$username,'password'=>$password, 'status'=>1);  $result = $this->model->User\_general->find($user,'single');  $details = $this->model->User\_details->find(array('id'=>$result->id),'single');  if($result !=null){  $this->session->set\_userdata('user',serialize($result));  $this->session->set\_userdata('details',serialize($details));  redirect('/base/index');  }else{  $info = array('type'=>'warning','title'=>'Login Gagal','content'=>'Silahkan periksa kembali username dan password');  $this->session->set\_flashdata('info',$info);  redirect('base/index');  }  }  END |

Flow Graph



Cyclomatic Compexlity

Region : 2 Edge : 5 Node : 5

V(G) = R

V(G) = 1 + 1 = 2

V(G) = 5 – 5 + 2 = 2

Independent Path :

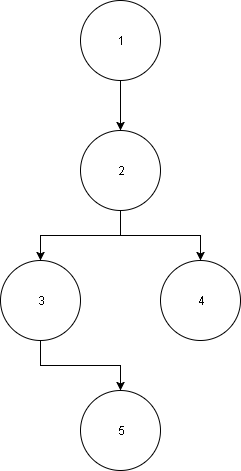
1. 1 – 2 – 3 – 5
2. 1 – 2 – 4 – 5

|  |  |
| --- | --- |
| **White Box Testing #3 – Basic Path Testing** | |
| **Test Case ID:** LGW\_03 | **Test Designed by:** Abyan Naufal |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 6th 2017 |
| **Module Name:** Les; GO Course | **Test Executed by:** Abyan Naufal |
| **Test Title:** Menambah Kursus | **Test Execution date:** June, 6th 2017 |
| **Description:** Testing dilakukan untuk mengetahui logika, kompleksitas dan dalam fungsi tambah kursus. |  |
|  |  |
|  |  |
| **Pre-conditions:** Login sebagai teacher | |
| **Dependencies:** | |

**Post-conditions:** Berhasil menambah kursus

|  |  |
| --- | --- |
| 1  2  3  4  5 | if($add=="add"){  $this->load->model('User\_general');  $data = array();  $data['page'] = null;  $data['layout'] = array('user'=>'','course'=>'','report'=>'','');  $data['site\_title'] = "Les:GO - Area Pengajar";  $data['teacher'] = $this->unserialize($this->session->userdata('teacher'));  $this->load->view('teacher/layout/header',$data);  $this->load->view('teacher/page/course\_add',$data);  $this->load->view('teacher/layout/footer',$data);  }else if($add=="save" && $id==null){  if($this->input->post('submit')!=null){  $this->load->model('User\_general');  $teacher = $this->unserialize($this->session->userdata('teacher'));  $this->load->model('Course\_general');  $this->model->Course\_general->course\_name = $this->input->post('course\_name');  echo $this->input->post('course\_name');  $this->model->Course\_general->grade = $this->input->post('grade');  $this->model->Course\_general->details = $this->input->post('details');  $this->model->Course\_general->requirement = $this->input->post('requirement');  $this->model->Course\_general->vision = $this->input->post('vision');  $this->model->Course\_general->teacher = $teacher->id;  $image\_id = $this->model->Course\_general->findLastId();  $course\_image = 'course\_image';  $this->Course\_general->image = $this->uploadImage("course",$course\_image,$image\_id);  }  if($this->Course\_general->save()){  redirect('/teacher/course');  }else{  echo "Error in Saving";  }  redirect('/teacher/course','refresh'); |

Flow Graph



Cyclomatic Complexity:

* Region: 1
* Edge : 4
* Node : 5

V(G) : R = 1

V(G) : (R – 1) + 1 = 1

V(G) : (E – N) + 2 = 1

Independent Path:

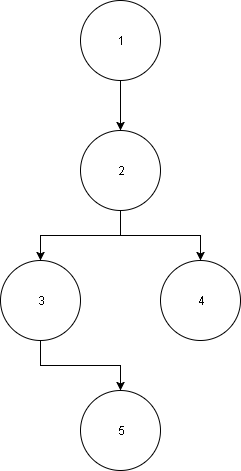
1. 1-2-3-5
2. 1-2-4

|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **White Box Testing #4 – Basic Path Testing** | |
| **Test Case ID:** LGW\_04 | **Test Designed by:** Abyan Naufal |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 6th 2017 |
| **Module Name:** Les; GO Course | **Test Executed by:** Abyan Naufal |
| **Test Title:** Edit Kursus | **Test Execution date:** June, 6th 2017 |
| **Description:** Testing dilakukan untuk mengetahui logika, kompleksitas dan dalam fungsi edit kursus. |  |
|  |  |
|  |  |
| **Pre-conditions:** Login sebagai teacher | |
| **Dependencies:** | |

**Post-conditions:** Berhasil mengedit kursus

|  |  |
| --- | --- |
| 1  2  3  4  5 | }else if($add=="edit" && $id!=null){  $this->load->model('User\_general');  $this->load->model('Course\_general');  $data = array();  $data['page'] = null;  $data['layout'] = array('user'=>'','course'=>'','report'=>'','');  $data['site\_title'] = "Les:GO - Area Pengajar";  $data['teacher'] = $this->unserialize($this->session->userdata('teacher'));  $data['course'] = $this->model->Course\_general->find(array('teacher'=>$data['teacher']->id,'id' => $id),'single');  $this->load->view('teacher/layout/header',$data);  $this->load->view('teacher/page/course\_edit',$data);  $this->load->view('teacher/layout/footer',$data);  }else if($add=="save" && $id!=null){  if($this->input->post('submit')!=null){  $this->load->model('User\_general');  $teacher = $this->unserialize($this->session->userdata('teacher'));  $this->load->model('Course\_general');  $this->model->Course\_general->id = $id;  $this->model->Course\_general->course\_name = $this->input->post('course\_name');  echo $this->input->post('course\_name');  $this->model->Course\_general->grade = $this->input->post('grade');  $this->model->Course\_general->details = $this->input->post('details');  $this->model->Course\_general->requirement = $this->input->post('requirement');  $this->model->Course\_general->vision = $this->input->post('vision');  $this->model->Course\_general->teacher = $teacher->id;  $image\_id = $this->model->Course\_general->findLastId();  $course\_image = 'course\_image';  $this->Course\_general->image = $this->uploadImage("course",$course\_image,$image\_id);  }  if($this->Course\_general->save()){  redirect('/teacher/course');  }else{  echo "Error in Saving";  }  redirect('/teacher/course','refresh'); |

Flow Graph



Cyclomatic Complexity:

* Region: 1
* Edge : 4
* Node : 5

V(G) : R = 1

V(G) : (R – 1) + 1 = 1

V(G) : (E – N) + 2 = 1

Independent Path:

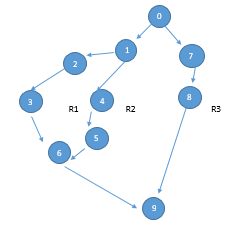
1. 1-2-3-5
2. 1-2-4

|  |  |
| --- | --- |
| **White Box Testing #5 – Basic Path Testing** | |
| **Test Case ID:** LGW\_05 | **Test Designed by:** Rizky Muhammad |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 6th 2017 |
| **Module Name:** Les; GO Course | **Test Executed by:** Abyan Naufal |
| **Test Title:** Method Course | **Test Execution date:** June, 6th 2017 |
| **Description:** Testing dilakukan untuk mengetahui logika, kompleksitas dan dalam fungsi Course |  |
|  |  |
|  |  |
| **Pre-conditions:** | |
| **Dependencies:** | |

**Post-conditions:**

|  |  |
| --- | --- |
| 0  1  2  3  4  5  6  7  8  9 | mulai  if($id!=null){  if($action=="view"){  $this->load->model('User\_general');  $this->load->model('Course\_general');  $this->load->model('Course\_subcourse');  $data = array();  $data['page'] = null;  $data['layout'] = array('user'=>'','course'=>'','report'=>'','');  $data['site\_title'] = "Les:GO - Area Pengajar";  $data['admin'] = $this->unserialize($this->session->userdata('admin'));  $data['course'] = $this->model->Course\_general->find(array('id' => $id),'single');  $data['subcourses'] = $this->model->Course\_subcourse->find(array('course\_id'=>$id));  $this->load->view('restricted/layout/header',$data);  $this->load->view('restricted/page/course\_detail',$data);  $this->load->view('restricted/layout/footer',$data);  }else if($action=="delete"){  $this->load->model('Course\_general');  $this->model->Course\_general->remove(array('id'=>$id));  redirect('/admin/user/teacher');  }  }else{  if($action==null){  $this->load->model('User\_general');  $this->load->model('Course\_general');  $data = array();  $data['page'] = null;  $data['layout'] = array('user'=>'','course'=>'','report'=>'','');  $data['site\_title'] = "Les:GO - Area Pengajar";  $data['admin'] = $this->unserialize($this->session->userdata('admin'));  $data['courses'] = $this->model->Course\_general->executeQuery(  'SELECT c.id,c.course\_name,c.image,t.id as teacher\_id,d.name as teacher\_name FROM course\_general c,user\_general t, user\_details d  WHERE c.teacher = t.id and d.id = t.id');  $this->load->view('restricted/layout/header',$data);  $this->load->view('restricted/page/course\_list',$data);  $this->load->view('restricted/layout/footer',$data);  }  } |

Flow Graph



Cyclomatic Complexity:

* Region: 3
* Edge : 11
* Node : 10

V(G) : R = 3

V(G) : 2 + 1 = 3

V(G) : (E – N) + 2 = 11-10+2=3

Independent Path:

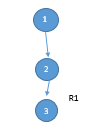
1. 0-1-2-3-6-9
2. 0-1-4-5-6-9
3. 0-7-8-9

|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **White Box Testing #6 – Basic Path Testing** | |
| **Test Case ID:** LGW\_06 | **Test Designed by:** Rizky Muhammad |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 6th 2017 |
| **Module Name:** Les; GO User | **Test Executed by:** Rizky Muhammad |
| **Test Title:** Method changeStatusUser | **Test Execution date:** June, 6th 2017 |
| **Description:** Testing dilakukan untuk mengetahui logika, kompleksitas dan dalam fungsi changeStatusUser. |  |
|  |  |
|  |  |
| **Pre-conditions:** | |
| **Dependencies:** | |

**Post-conditions:**

|  |  |
| --- | --- |
| 1  2  3 | $this->load->model('User\_general');  $user = $this->model->User\_general->find(array('id'=>$id),'single');  $user->status = $state!=null ? $state : ($user->status==1 ? 0 : 1);  if($this->model->User\_general->save($user)){  redirect('/admin/user');  } |

Flow Graph



Cyclomatic Complexity:

* Region: 1
* Edge : 2
* Node : 3

V(G) : R = 1

V(G) : 0+ 1 = 1

V(G) : (E – N) + 2 = 2-3+2=1

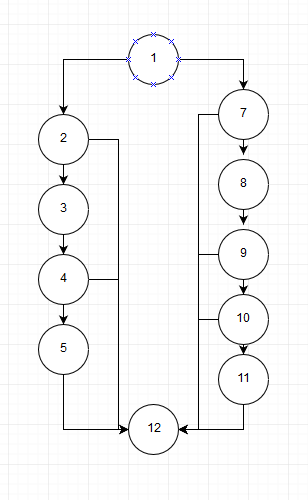
Independent Path:

1. 1-2-3

|  |  |
| --- | --- |
| **White Box Testing #7 – Basic Path Testing** | |
| **Test Case ID:** LGW\_07 | **Test Designed by:** Rizki Maulana Akbar |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Edit Profile | **Test Executed by:** Rizki Maulana Akbar |
| **Test Title:** Edit Profil | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk mengetahui logika, kompleksitas dan dalam fungsi edit user yang meliputi perubahan data dan perubahan password. |  |
|  |  |
|  |  |
| **Pre-conditions: -** | |
| **Dependencies: -** | |

Source code :

|  |  |
| --- | --- |
| 1 | if($type=="saveprofile"){ |
| 2 | if($this->input->post('submit')!=null){ |
| 3 | $this->load->model('User\_general'); |
| $user = unserialize($this->session->userdata('user')); |
| $this->load->model('User\_details'); |
| $user\_details = $this->model->User\_details->find(array('id'=>$user->id),'single'); |
| $user\_details->name = $this->input->post('name'); |
| $user\_details->phone = $this->input->post('phone'); |
| $user\_details->grade = $this->input->post('grade'); |
| $image = 'profile\_image'; |
| $user->image = $this->uploadImage('user',$image,$user->id); |
| 4 | if($this->model->User\_details->save($user\_details) && $this->model->User\_general->save($user)){ |
| 5 | redirect('/base/user'); |
|  | } |
|  | } |
| 6 | }else if($type=="savepassword"){ |
| 7 | if($this->input->post('submit')!=null){ |
| 8 | $this->load->model('User\_general'); |
| $user = unserialize($this->session->userdata('user')); |
| $newpassword = $this->input->post('newpassword'); |
| $confirmpassword = $this->input->post('confirmpassword'); |
| $currentpassword = $this->input->post('currentpassword'); |
| 9 | if($newpassword == $confirmpassword){ |
| 10 | if($currentpassword == $user->password){ |
| 11 | $user->password = $newpassword; |
| $this->model->User\_general->save($user); |
| redirect('/base/user'); |
|  | } |
|  | } |
| 12 | } |



Flow Graph

Cyclomatic Compexlity

Region : 7 Edge : 7 Node : 12

V(G) = R

V(G) = 7

V(G) = 12 – 7 + 2 = 7

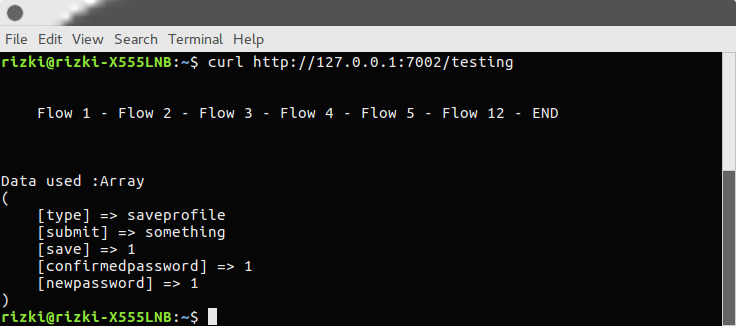
Independent Path :

1. 1 – 2 – 3 – 4 – 5 – 12
2. 1 – 2 – 3 – 4 – 12
3. 1 – 2 – 12
4. 1 – 7 – 8 – 9 – 10 – 11 – 12
5. 1 – 7 – 8 – 9 – 10 – 12
6. 1 – 7 – 8 – 9 – 12
7. 1 – 7 – 12

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Memisahkan kode program fungsi |  |  |  |  |  |
| 2 | Melakukan testing dengan parameter sesuai basic path pertama | $type==saveprofile, $submit!= null, save==true |  |  |  |  |
| 3 | Sistem mengeksekusi perintah dan menampilkan flow logika dari perintah yang dieksekusi |  | Flow logic = 1 – 2 – 3 – 4 – 5 – 12 | Flow logic = 1 – 2 – 3 – 4 – 5 – 12 | Success |  |

**Post-conditions:**

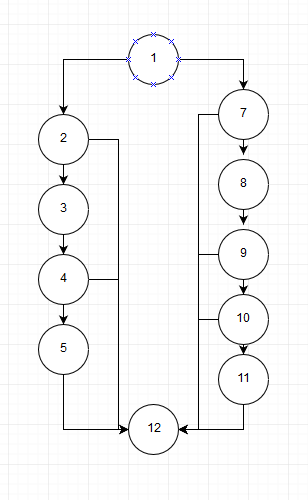
Sistem mengeksekusi perintah sesuai dengan urutan logika



|  |  |
| --- | --- |
| **Project Name: Les; GO** | |
| **White Box Testing #8 – Basic Path Testing** | |
| **Test Case ID:** LGW\_08 | **Test Designed by:** Rizki Maulana Akbar |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** June, 5th 2017 |
| **Module Name:** Les; GO Edit Profile | **Test Executed by:** Rizki Maulana Akbar |
| **Test Title:** Edit Profil | **Test Execution date:** June, 5th 2017 |
| **Description:** Testing dilakukan untuk mengetahui logika, kompleksitas dan dalam fungsi edit user yang meliputi perubahan data dan perubahan password. |  |
|  |  |
|  |  |
| **Pre-conditions: -** | |
| **Dependencies: -** | |

Source code :

|  |  |
| --- | --- |
| 1 | if($type=="saveprofile"){ |
| 2 | if($this->input->post('submit')!=null){ |
| 3 | $this->load->model('User\_general'); |
| $user = unserialize($this->session->userdata('user')); |
| $this->load->model('User\_details'); |
| $user\_details = $this->model->User\_details->find(array('id'=>$user->id),'single'); |
| $user\_details->name = $this->input->post('name'); |
| $user\_details->phone = $this->input->post('phone'); |
| $user\_details->grade = $this->input->post('grade'); |
| $image = 'profile\_image'; |
| $user->image = $this->uploadImage('user',$image,$user->id); |
| 4 | if($this->model->User\_details->save($user\_details) && $this->model->User\_general->save($user)){ |
| 5 | redirect('/base/user'); |
|  | } |
|  | } |
| 6 | }else if($type=="savepassword"){ |
| 7 | if($this->input->post('submit')!=null){ |
| 8 | $this->load->model('User\_general'); |
| $user = unserialize($this->session->userdata('user')); |
| $newpassword = $this->input->post('newpassword'); |
| $confirmpassword = $this->input->post('confirmpassword'); |
| $currentpassword = $this->input->post('currentpassword'); |
| 9 | if($newpassword == $confirmpassword){ |
| 10 | if($currentpassword == $user->password){ |
| 11 | $user->password = $newpassword; |
| $this->model->User\_general->save($user); |
| redirect('/base/user'); |
|  | } |
|  | } |
| 12 | } |



Flow Graph

Cyclomatic Compexlity

Region : 7 Edge : 7 Node : 12

V(G) = R

V(G) = 7

V(G) = 12 – 7 + 2 = 7

Independent Path :

1. 1 – 2 – 3 – 4 – 5 – 12
2. 1 – 2 – 3 – 4 – 12
3. 1 – 2 – 12
4. 1 – 7 – 8 – 9 – 10 – 11 – 12
5. 1 – 7 – 8 – 9 – 10 – 12
6. 1 – 7 – 8 – 9 – 12
7. 1 – 7 – 12

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Notes** |
|  |  |  |  |  |  |  |
| 1 | Memisahkan kode program fungsi |  |  |  |  |  |
| 2 | Melakukan testing dengan parameter sesuai basic path kedua | $type==savepassword, $submit!=null, save==false |  |  |  |  |
| 3 | Sistem mengeksekusi perintah dan menampilkan flow logika dari perintah yang dieksekusi |  | Flow logic = 1 – 2 – 3 – 4 – 12 | Flow logic = 1 – 2 – 3 – 4 – 12 | Success |  |

**Post-conditions:**

Sistem mengeksekusi perintah sesuai dengan urutan logika

