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Test Plan, Test Design Specifications and Test Cases
Version 1

CENG 408
Innovative System Design and Development II

appDermis

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1. TEST CASES

1.2. Version Control

| Version No | Description of Changes | Date |
|------------|------------------------|----------|
| 1.0 | First Version | Apr 2019 |

1.2.2 Overview

Usage status of exhibitor and manager AppDermis system users determined in SRS document will be tested

1.2.3 Scope

This document corresponds to the test plan, test design specifications, and test scenarios test plan of usage scenarios.

1.2.4 Terminology

| Acronym | Definition |
|---------|--------------------------------|
| GUI | Graphical User Interface (GUI) |

2. FEATURES TO BE TESTED

This part lists and describes a mini description of major properties for testing.

2.1.1. Graphical User Interface (GUI)

In this project, graphical user interface components are used. User registration is mandatory, so there are subdivisions that open after two main menus. Sign up or Login are the main home page. After that there are sections divided into the main menu and sub-sections. These sub-sections include Profile button, Edit Profile button, Take Photo button, View Results button, Album button.

3. Test Design Specification

3.1. User Interface (GUI)

3.1.1.1. Registering user (GUI.RG)

The user who wants to use the system must give his/her required information to system.

3.1.1.2. Login (GUI.LG)

User who has done his/her registration can login with entering e-mail and password.

3.1.1.3. Profile (GUI.VP)

User will see the information about his/her own information such as age, gender and skin type.

3.1.1.4. Edit Profile (GUI.EDT)

User will be able to edit the information from here. This button takes part under the profile page.

3.1.1.5. Album (GUI.VA)

User will see the photos that taken at the past.

3.1.1.6. Take Photo (GUI.TP)

The user can take a picture of the region where the spot is located.

3.1.1.7. Results (GUI.RES)

User will see the results that taken photos from this page.

3.2. Test Cases

| TC ID | Requirements | Priority | Scenario Description |
|-----------|--------------|----------|--|
| GUI.RG 01 | | H | Enter the information that required and then click register button. Button redirecting login page. |

| TC ID | Requirements | Priority | Scenario Description |
|-----------------|--------------|----------|--|
| GUILG 01 | 3.2.1 | H | Enter username and password then login button redirects to Profile page. |

| TC ID | Requirements | Priority | Scenario Description |
|-----------------|--------------|----------|--------------------------------------|
| GULVP 01 | 3.2.1 | H | Display personal information of user |

| TC ID | Requirements | Priority | Scenario Description |
|------------------|--------------|----------|----------------------------------|
| GULEDT 01 | 3.2.1 | H | Editing all personal information |

| TC ID | Requirements | Priority | Scenario Description |
|-----------------|--------------|----------|---|
| GULVA 01 | 3.2.1 | H | Selecting Album button. Shows the photos that taken. |

| TC ID | Requirements | Priority | Scenario Description |
|-----------------|--------------|----------|--|
| GULTP 01 | 3.2.1 | H | Select “Take Photo” button. Able to take photo. |

| TC ID | Requirements | Priority | Scenario Description |
|---------|--------------|----------|--|
| GUL.RES | 3.2.1 | H | Select “Results” button. Display the results of risk. |

3.3. DETAILED TEST CASES

3.3.1 GUI.REG 01

| | |
|------------------------------|---|
| TC_ID | GUI.REG 01 |
| Purpose | Enter the required information that system needs. |
| Requirements | 3.2.1 |
| Priority | High |
| Estimated Time Needed | No estimated time needed |
| Dependency | The simulation is executed |
| Setup | No setup installation needed |
| Procedure | Enter register button, it directs login page. |
| Cleanup | No cleanup function |

3.3.2 GUILG 01

| | |
|------------------------------|--|
| TC_ID | GUILG 01 |
| Purpose | Enter username and password |
| Requirements | 3.2.1 |
| Priority | High |
| Estimated Time Needed | No estimated time needed |
| Dependency | The simulation is executed |
| Setup | No setup installation needed |
| Procedure | Enter login button it directs to profile page. |
| Cleanup | No cleanup function |

3.3.3 GUI.VP 01

| | |
|------------------------------|---------------------------------------|
| TC_ID | GUI.VP 01 |
| Purpose | Display personal information of user. |
| Requirements | 3.2.1 |
| Priority | High |
| Estimated Time Needed | No estimated time needed |
| Dependency | The simulation is executed |
| Setup | No setup installation needed |
| Procedure | Display personal information of user. |
| Cleanup | No cleanup function |

3.3.4 GUI.EDT 01

| | |
|------------------------------|---|
| TC_ID | GUI.EDT 01 |
| Purpose | Editing personal information of user. |
| Requirements | 3.2.1 |
| Priority | High |
| Estimated Time Needed | 1-3 second |
| Dependency | The simulation is executed |
| Setup | No setup installation needed |
| Procedure | Select “Edit Profile” button from Profile page it directs to Edit Profile page. |
| Cleanup | Go back to previous page |

3.3.5 GUI.VA 01

| | |
|------------------------------|--|
| TC_ID | GUI.VA 01 |
| Purpose | Displays the photos that taken. |
| Requirements | 3.2.1 |
| Priority | High |
| Estimated Time Needed | 1-2 second |
| Dependency | The simulation is executed |
| Setup | No setup installation needed |
| Procedure | Select “Album” button. Display photos. |
| Cleanup | Go back to previous page |

3.3.6 GUI.TP 01

| | |
|------------------------------|---|
| TC_ID | GUI.TP 01 |
| Purpose | Select “Take Photo” button. |
| Requirements | 3.2.1 |
| Priority | High |
| Estimated Time Needed | 1-3 second |
| Dependency | The simulation is executed |
| Setup | No setup installation needed |
| Procedure | Camera is opening and able to take photo. |
| Cleanup | Go back to previous page |

3.3.7 GUI.RES 01

| | |
|------------------------------|---|
| TC_ID | GUI.RES 01 |
| Purpose | Select “Result” button. |
| Requirements | 3.2.1 |
| Priority | High |
| Estimated Time Needed | 1-2 second |
| Dependency | The simulation is executed |
| Setup | No setup installation needed |
| Procedure | Display the estimated risk of melanoma. |
| Cleanup | Go back to previous page |

4. TEST RESULTS

4.1. Individual Test Results

| TC ID | | Priority | Date Run | Result | Explanation |
|------------|--|----------|------------|--------|-------------------------------|
| GUI.RG 01 | | H | 15.05.2020 | Pass | Registered user to system |
| GUI.LG 01 | | H | 15.05.2020 | Pass | Username and password entered |
| GUI.VP 01 | | H | 15.05.2020 | Pass | Information displayed |
| GUI.EDT 01 | | H | 15.05.2020 | Pass | Updated personal information |
| GUI.VA 01 | | H | 15.05.2020 | Pass | Album displayed |
| GUI.TP 01 | | H | 15.05.2020 | Pass | Photo taken |

| | | | | | |
|------------|--|---|------------|------|------------------|
| GUI.RES 01 | | H | 15.05.2020 | Pass | Result displayed |
|------------|--|---|------------|------|------------------|

4.2. Summary of Test Results

| Priority | Numbers of TCs | Executed | Passed |
|--------------|----------------|----------|----------|
| H | 8 | 8 | 8 |
| M | 0 | 0 | 0 |
| L | 0 | 0 | 0 |
| Total | 8 | 8 | 8 |

We have terminated 8 test cases and all test cases have done successfully.

| Criteria | Yes or No |
|---|-----------|
| 100% of test cases were achieved | Y |
| Over 95% of test cases terminated | Y |
| Over 95% of High and Medium Priority test cases achieved | Y |
| No high priority or serious errors are noticeable | Y |
| Confirm that the software development processes are terminated among the stipulated schedules. | Y |
| Confirm that the software development processes are terminated within the stipulated schedules. | Y |

It has run all test cases and 100% of test cases has completed. It also passes 100% of high priority test scenarios. Software development process are completed among the prescribed time schedule. Exit criteria are passed.

