**Software Test Design Document**

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**Software Test Design Document**

**1 Document Overview**

This document provides the detailed test design for the YouTube Desktop App software development project. The goal is to ensure that the software meets its requirements and works as expected.

**2. Test Design**

**2.1 Test Case Template**

|  |  |
| --- | --- |
| **Test case name** |  |
| **Test case goal** |  |
| **Data** |  |
| **Preconditions** |  |
| **Writer** |  |
| **Date** |  |
| **Prioritization** |  |

|  |  |  |
| --- | --- | --- |
| **Serial number:** | **Step:** | **Required outcome:** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |

**2.2 Test Case Descriptions**

**Test Case ID: 001**

|  |  |
| --- | --- |
| Test case name | Shorts video – video description button |
| Test case goal | To check "description" button in "more options", if it is working. |
| Data | Operating system, YouTube version, YouTube account information. |
| Precondition | A desktop/laptop that is connected to the internet, with chrome browser installed. |
| Writer | Shibel Alshech |
| Date | 08/07/2024 |
| Prioritization | 2 |

|  |  |  |
| --- | --- | --- |
| Serial number | Step | Required outcome |
| 1 | Open YouTube on Chrome browser | YouTube opens with the menu button appears in the top-right corner |
| 2 | Press on the menu icon (in the top right corner near the logo) | The menu will open, and we will see the components of it. |
| 3 | Press on "Shorts" | Shorts page opens and a short video starts playing |
| 4 | Press on "more options" – near the short video | Video "description" button appears |
| 5 | Press on "description" | The button works and leads to a text that represents the description of the video . |

**Test Case ID: 002**

|  |  |
| --- | --- |
| Test case name | Video page – Buttons under the video |
| Test case goal | Testing if the "Like", "dislike", "share", "subscribe" buttons. |
| Data | Operating system, YouTube version. |
| Precondition | A desktop/laptop that is connected to the internet with YouTube app open. |
| Writer | Shibel Alshech |
| Date | 08/07/2024 |
| Prioritization | 1 |

|  |  |  |
| --- | --- | --- |
| Serial number | Step | Required outcome |
| 1 | Press on a video | The video will start playing and "Like", "dislike", "share", "subscribe" buttons will appear right under it. |
| 2 | Press on the thumbs up ("Like") button | The button will be all white to indicate that it was pressed. |
| 3 | Press on the like button again | The button will return to its original state. |
| 4 | Press on the thumbs down ("dislike") button | The button will be all white to indicate that it was pressed. |
| 5 | Press on the dislike button again | The button will return to its original state. |
| 6 | Press on the "share" button | A pop-up will appear with the logos of 5 or more social media platforms, and a link of the video. |
| 7 | Press on "X" in the corner of the pop-up | The pop-up will close. |
| 8 | Press on "subscribe" | The button will change color and instead of "subscribe", will be written "subscribed". |
| 9 | Press on "subscribe" again | A pop-up will appear with a message "are you sure you want to unsubscribe". |
| 10 | Press on "yes" | The subscribe button will return to its original state. |

**Test Case ID: 003**

|  |  |
| --- | --- |
| Test case name | Main page – searching a video flow |
| Test case goal | Testing if the search bar works and can contain text and leads to the videos page. |
| Data | Operating system, YouTube version. |
| Precondition | A desktop/laptop that is connected to the internet. |
| Writer | Shibel Alshech |
| Date | 14/05/2024 |
| Prioritization | 1 |

|  |  |  |
| --- | --- | --- |
| Serial number | Step | Required outcome |
| 1 | Open YouTube | YouTube opens and the search bar appears on top of the page |
| 2 | Insert an input in the search bar – a relevant input that a video can be referred to. | The text will appear in the search bar |
| 3 | Press on "Enter" on the keyboard | Page will change to the videos page, and a video at least appears because of the search. |
| 4 | Press on a video | The video will start playing |
| 5 | Locate the pause button | The button existed, so the video is on. |

**Test Case ID: 004**

|  |  |
| --- | --- |
| Test case name | video page – subscribing to a channel flow |
| Test case goal | Testing if the subscribe button under a video works correctly. |
| Data | Operating system, YouTube version. |
| Precondition | A desktop/laptop that is connected to the internet. |
| Writer | Shibel Alshech |
| Date | 14/05/2024 |
| Prioritization | 1 |

|  |  |  |
| --- | --- | --- |
| Serial number | Step | Required outcome |
| 1 | Open YouTube | YouTube opens and the search bar appears on top of the page |
| 2 | Insert an input in the search bar – a relevant input that a video can be referred to. | The text will appear in the search bar |
| 3 | Press on "Enter" on the keyboard | Page will change to the videos page, and a video at least appears because of the search. |
| 4 | Press on a video | The video will start playing |
| 5 | Locate and press the subscribe button under the video | The button will change state, indicating the subscription is successful (e.g., "Subscribed" text appears) |

**Test Case ID: 005**

|  |  |
| --- | --- |
| Test case name | Menu page – Menu button count verification |
| Test case goal | Ensure that the menu contains exactly 33 buttons. |
| Data | Operating system, YouTube version. |
| Precondition | A desktop/laptop that is connected to the internet. |
| Writer | Shibel Alshech |
| Date | 14/05/2024 |
| Prioritization | 1 |

|  |  |  |
| --- | --- | --- |
| Serial number | Step | Required outcome |
| 1 | Open YouTube | YouTube opens and the search bar appears on top of the page |
| 2 | Locate and open the menu – menu button is in the top right corner of the home page | The menu opens and is displayed |
| 3 | Count the number of buttons in the menu | The count should be exactly 33 buttons |