**VirusPartial Test Cases**

**Login/Registration Tests**

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| **Test Scenario Group** | | Registration | | | **Test Case ID** | | 1 | |
| **Test Case Description** | | Test successful Account Creation | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet + Browser | | | **Post-Requisite** | | Home Screen (Logged In) | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “register” button | | N/A | Registration Prompt | | Registration Prompt | Passed |  | |
| 3 | Enter new Account Info | | Username, Email, Password,  Password Confirmation | Home page (login success) | | Home page | Passed |  | |
| 4 | Select “Next” | | N/A | Upload Image Prompt | | Upload Image Prompt | Passed |  | |
| 5 | Upload Image | | Image | Image Displayed where Prompt was | | Image Displayed where Prompt was | Passed |  | |
| 6 | Select “Next” | | N/A | Enter Full Name Prompt | | Enter Full Name Prompt | Passed |  | |
| 7 | Enter Name | | First name and Last Name | Home Screen (Logged In) | | Home Screen (Logged In) | Passed | User is automatically logged in after account creation | |

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| **Test Scenario Group** | | Login | | | **Test Case ID** | | 1 | |
| **Test Case Description** | | Test successful Account Login | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser, Viruspartial account | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “login” button | | N/A | Login Prompt | | Login Prompt | Passed |  | |
| 3 | Enter Correct login info | | Username and Password | Home page (Logged In) | | Home page (Logged In) | Passed | Now has profile picture and Logout button | |

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| **Test Scenario Group** | | Login | | | **Test Case ID** | | 2 | |
| **Test Case Description** | | Test incorrect username/password | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser, Viruspartial Account | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “login” button | | N/A | Login Prompt | | Login Prompt | Passed |  | |
| 3 | Enter Incorrect Login info | | Random username/password | Login Prompt (Error Message) | | Login Prompt(Error Message) | Passed | Reprompts user until correct information entered | |

**Manual Hash Entry Tests**

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| **Test Scenario Group** | | Manual Hash Entering | | | **Test Case ID** | | 1 | |
| **Test Case Description** | | Entering known non-malicious hash | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | Hash Danger output | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Enter A Hash” button | | N/A | Hash Prompt | | Hash Prompt | Passed |  | |
| 3 | Enter hash of a non-malicious file | | Hash of non-malicious executable | Hash Data page showing 0% Danger | | Hash Data Page showing 0% Danger | Passed | Github Desktop Setup executable used for testing | |

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| **Test Scenario Group** | | Manual Hash Checking | | | **Test Case ID** | | 2 | |
| **Test Case Description** | | Manually entering malicious hash | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | Hash Danger Output | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Enter A Hash” button | | N/A | Hash Prompt | | Hash Prompt | Passed |  | |
| 3 | Enter hash of a non-malicious file | | Hash of non-malicious executable | Hash Data page showing 0% Danger | | Hash Data Page showing 0% Danger | Passed | Github Desktop Setup executable used for testing | |

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| **Test Scenario Group** | | Manual Hash Checking | | | **Test Case ID** | | 3 | |
| **Test Case Description** | | Manually entering incorrectly formatted hash | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Enter A Hash” button | | N/A | Hash Prompt | | Hash Prompt | Passed |  | |
| 3 | Enter hash which doesn’t have proper formatting | | non-hex digits, incorrect number of characters | No Matches Found screen (404) | | No Matches found screen (404) | Passed | used the string “123456” and “123gkho” for testing | |

**File Scanning Tests**

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| **Test Scenario Group** | | File Scanning | | | **Test Case ID** | | 1 | |
| **Test Case Description** | | Scanning a non-malicious file | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | Hash danger output | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Scan a File” button | | N/A | File Scan Prompt | | File Scan Prompt | Passed |  | |
| 3 | Upload file | | Normal executable | 0% Danger Output | | 0% Danger Output | Passed | Passed a windows .dll file and the Github Desktop setup executable | |

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| **Test Scenario Group** | | File Scanning | | | **Test Case ID** | | 2 | |
| **Test Case Description** | | Scanning a malicious file | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | Hash danger output | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Scan a File” button | | N/A | File Scan Prompt | | File Scan Prompt | Passed |  | |
| 3 | Upload file | | Malicious Executable | Output showing that the file is malicious | | Output showing that the file is malicious | Passed | Passed the bonzibuddy malware executable | |

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| **Test Scenario Group** | | File Scanning | | | **Test Case ID** | | 3 | |
| **Test Case Description** | | Scanning an unsupported filetype | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Scan a File” button | | N/A | File Scan Prompt | | File Scan Prompt | Passed |  | |
| 3 | Upload file | | Unsupported filetype | Could not hash (404) | | Could not hash (404) | Passed | Passed a .docx file | |

**URL Testing**

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| **Test Scenario Group** | | URL Testing | | | **Test Case ID** | | 1 | |
| **Test Case Description** | | Scanning a non-malicious download link | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Scan a Link” button | | N/A | Link input prompt | | Link input prompt | Passed |  | |
| 3 | Paste link and submit | | Nonmalicious executable download link | Output showing 0% danger | | Output showing 0% danger | Passed | Passed the download link for Github Desktop | |

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| **Test Scenario Group** | | URL Testing | | | **Test Case ID** | | 2 | |
| **Test Case Description** | | Scanning a malicious download link | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Scan a Link” button | | N/A | File Scan Prompt | | File Scan Prompt | Passed |  | |
| 3 | Paste Link and submit | | Download link to malicious file | Output showing hash danger | | Output showing hash danger | Passed | Passed the download link for bonzibuddy executable | |

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| **Test Scenario Group** | | URL Testing | | | **Test Case ID** | | 2 | |
| **Test Case Description** | | Scanning an unsupported download link | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Scan a Link” button | | N/A | File Scan Prompt | | File Scan Prompt | Passed |  | |
| 3 | Paste Link and submit | | Download link to a nonsupported file | Unable to hash file screen (404) | | Unable to hash file screen (404) | Passed | Passed the download link a .docx file | |

**Interconnecting Link Tests**

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| **Test Scenario Group** | | Page Links | | | **Test Case ID** | | 1 | |
| **Test Case Description** | | Testing the navigational links between each page | | | **Test Priority** | | High | |
| **Pre-Requisite** | | Working Internet, Browser | | | **Post-Requisite** | | N/A | |
| Test Execution Steps: | | | | | | | | | |
| **S.No** | **Action** | | **Inputs** | **Expected Output** | | **Actual Output** | **Test Result** | **Test Comments** | |
| 1 | Launch Webapp | | viruspartial.com | Home page (frontMenu.html) | | Home page | Passed |  | |
| 2 | Select “Scan a File” button | | N/A | File Scan Prompt | | Hash Prompt | Passed |  | |
| 3 | Upload File | | Executable File | Hash Output info | | Hash Output info | Passed |  | |
| 4 | Select “VirusPartial” button in top-left | | N/A | Home Page | | Home Page | Passed |  | |
| 5 | Select “Enter a Hash” | | N/A | Manual Hash Entry page | | Manual Hash Entry page | Passed |  | |
| 6. | Manually enter hash | | Hash string | Hash Output Data | | Hash Output Data | Passed |  | |
| 7. | Select “VirusPartial” button in top-left | | N/A | Home Page | | Home Page | Passed |  | |