***TEST SPECIFICATION***

**1.0 Introduction**

This section provides an overview of the entire test document. This document describes both the test plan and the test cases.

**1.1 Goals and objectives**

The goal of this document is to demonstrate the test specifications of our photo and rental online store.

**1.2 Statement of scope**

The user should be able to log in to the website and do the following:

- add to cart and check out.

- Access the services such as booking photography, camera, and rentals, editing, and packages.

- Able to access contacts for easy customer service.

**2.0 Test Plan**

This section describes the overall testing strategy and the project management issues that are required to properly execute effective tests.

**2.1 Software to be tested**

The online websites will be tested in Amazon Web Services

**2.3 Testing tools and environment**

Selenium. It can be used to simulate user interactions and to test web applications in a variety of environments.

**2.4 Test schedule**

For this application, the waterfall model is used. So, after the application is created, testing will take place. However, during development, each developer will carry out unit testing.

**3.0 Test Cases**

This section enumerates a complete list of test cases for the software. A template for test cases is as follows.

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| ID | 1 |
| Test Input | The username logging in should not exceed 10 characters |
| Expected Output | An error popped “Invalid Username” |
| Description | For use entering characters, more than 10 will not be able to log in and an error is encountered as “Invalid Username” |

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| ID | 2 |
| Test Input | The username should not contain special characters or numbers. |
| Expected Output | An error popped up “Invalid Username” |
| Description | In case a user adds special characters or numbers to the username, an “invalid username” error popped up |

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| ID | 3 |
| Test Input | The username space should not be empty. |
| Expected Output | An error popped up “Invalid Username” |
| Description | When signing up for the online store, the username must be filled or else it will pop the “invalid username” error. |

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| Test case ID | 4 |
| Test Input | The first name should not be missing |
| Expected Output | An error “First Name is required” popped up |
| Description | For signing up/registration, all details are filled in for easy next steps; first name missing or blank will not accept full registration or sign up. |

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| ID | 5 |
| Test Input | The first names should not contain special characters or numbers. |
| Expected Output | “Invalid first name” will be displayed. |
| Description | The first name field should not be blank when signing up for the online store. The error cannot allow for a proceeding to sign up for the online store. |

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| Test case ID | 6 |
| Test Input | The first name should not be more than 16 characters. |
| Expected Output | An error will be popped up saying “First Name is invalid” |
| Description | If the first name field exceeds 16 characters, else the signed-up cannot happen successfully. The error encountered cannot allow the user to proceed. |

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| Test case ID | 7 |
| Test Input | The last name should not be more than 15 characters. |
| Expected Output | An error will be encountered, “invalid last name” |
| Description | When the user signs up from the signup page, they need to fill in the last name field. If the user enters more than 15 characters in the field, it should throw an error and should not let the user go ahead. |

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| Test case ID | 8 |
| Test Input | The last name should not contain special characters or numbers. |
| Expected Output | An error will pop up saying “Last Name is not valid” |
| Description | The user must enter their last name in the field when signing up from the signup page. Special characters or numbers should throw an error and prevent the user from continuing if they are entered in the field. |

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| Test case ID | 9 |
| Test Input | The last name cannot be empty. |
| Expected Output | An error will be encountered saying “Last Name is required” |
| Description | The user needs to enter their last name in the field when signing up from the sign-up page. If the customer deletes a field empty, it should raise an error and prevent the user from continuing. |

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| Test case ID | 10 |
| Test Input | Email Address should follow its formal conventions (…@...) |
| Expected Output | An error popped up “invalid email Id format” |
| Description | The user must enter their email address in the email address section while signing up via the signup page. It should throw an error and prevent the user from moving further if the user enters the email address incorrectly. |

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| Test case ID | 11 |
| Test Input | The email address section cannot be blank. |
| Expected Output | An error will be thrown saying “Email Address is blank” |
| Description | The user needs to enter their email address while signing up via the signup page. If they leave the field empty, it should raise an error and prevent the user from moving forward. |

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| Test case ID | 12 |
| Test Input | The Password field cannot be blank/ left empty. |
| Expected Output | An error will be thrown saying “Password is required” |
| Description | The password box must be completed when a person registers on the signup page. If they abandon the field empty, it should raise a warning and prevent the user from moving forward to access the online photo and rental services. |

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| Test case ID | 13 |
| Test Input | Password needs to match given constraints. (It should have 8 to 12 letters, at least 1 uppercase letter, at least one lowercase letter, at least 1 number, and at least 1 special character) |
| Expected Output | An error will be generated saying “Password is invalid” |
| Description | The password box must be filled up when the user registers on the signup page. It ought to throw an error and not permit the user to proceed if the provided value does not comply with the password restrictions. |

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| Test case ID | 14 |
| Test Input | Password and Re-enter should match the Password field |
| Expected Output | An error will be alerted “Passwords do not match” |
| Description | When the user signs up from the signup page, they need to fill in the password and re-enter the password fields. If they do not match, it should throw an error and should not let the user proceed to access the photo and rental online store services and contacts. |

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| Test Case ID | 15 |
| Test Input | The username should be mentioned for recovering lost or forgotten passwords. |
| Expected Output | An error will be popped up saying “Wrong Username” |
| Description | When the user forgets from the signup page, they need to select the user type field from the given 3 options. If they do not select anything, it should throw an error and should not let the user go ahead. |

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| Test Case ID | 16 |
| Test Input | All required sections are entered correctly. |
| Expected Output | A message will be populated saying “Everything Matches” and the user will be directed to the home page and to access the online website. |
| Description | The user must submit all the fields on the registration page before they can sign up. If everything is entered into the system, the user should be taken straight to the main page. |

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| Test Case ID | 17 |
| Test Input | The user name should be unique and not match any existing usernames. |
| Expected Output | An error will be generated alerting “User name Exists” |
| Description | The username section must be filled out when a person registers on the registration page. An error code should be displayed and the user should not be permitted to progress if the username has already been claimed by another user. |

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| Test Case ID | 18 |
| Test Input | The user should be already registered in the website database. |
| Expected Output | An error will be generated saying “Username not found” |
| Description | When logging in using the login page, the user must fill out the username field. If the username cannot be discovered in the online website database, it should produce an error and stop. |

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| Test Case ID | 19 |
| Test Input | The username and password should match the already registered details. |
| Expected Output | An alert says “Login successful” and logins into the home page based on the type of user. |
| Description | When the user logs in from the login page, they need to fill in the username and password fields. If the username and password fields match as present in the database, it should validate and take the user to the home page and access the website services. |