

Test Plan Davines

Semester 3 Individual Project



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# Product Analysis

## Who will use the website

The product will be used by any person wanting to view or purchase series and products for haircare of the trademark Davines.

## What is it used for

To view information about series and products, purchase products or review them/leave a comment on them.

## How will it work

Users will be able to go to the website and see all products and series, and if they want to purchase a product that it is available, they can go to a web page to order them using a cart and checkout. To leave a comment/review of a product they need to go to a specific product and at the bottom of the page they can view/write a review/comment.

## What is the software/hardware the product uses

It uses a single application front end website that will serve as the interface for the users, this interface communicates with a back-end framework that takes requests from the interface and communicates it with a database that sends and stores data from and to the back end.

# Test Strategy

## [Testing Types](https://www.guru99.com/)

### Unit Testing:

**Unit Testing** is a type of software testing where individual units or components of a software are tested. The purpose is to validate that each unit of the software code performs as expected. Unit Testing is done during the development (coding phase) of an application by the developers. Unit Tests isolate a section of code and verify its correctness. A unit may be an individual function, method, procedure, module, or object.

### API Testing:

**API TESTING** is a software testing type that validates Application Programming Interfaces (APIs). The purpose of API Testing is to check the functionality, reliability, performance, and security of the programming interfaces. In API Testing, instead of using standard user inputs(keyboard) and outputs, you use software to send calls to the API, get output, and note down the system’s response. API tests are very different from GUI Tests and won’t concentrate on the look and feel of an application. It mainly concentrates on the business logic layer of the software architecture.

### Integration Testing:

**Integration Testing** is defined as a type of testing where software modules are integrated logically and tested as a group. A typical software project consists of multiple software modules, coded by different programmers. The purpose of this level of testing is to expose defects in the interaction between these software modules when they are integrated

## Risks & Issues

|  |  |
| --- | --- |
| Risk | Mitigation |
| The project schedule is too tight to complete this project on time. | Set a test priority for each of the test. |
| CI/CD pipelines may be broken | Plan thoroughly testing and don’t add test that have bugs or are failing. |
|  |  |
|  |  |

Diagram

Description automatically generated

### Suspension Criteria

If more than **20%** of test cases failed, I should **suspend** testing until the bugs are fixed to a state of functionality.

### Exit Criteria

**100%** of all test cases must pass.

# User Stories

|  |  |  |
| --- | --- | --- |
| **ID – US1** | **User Story** | **Points: 3** |
| **As an administrator, I want to add new products to a specific series, so that we can display our new products** | | |
| Acceptance criteria:   * Given that the administrator is logged in * When the administrator adds a new product * Then the product is added to the chosen series | | |

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| --- | --- | --- |
| **ID – US2** | **User Story** | **Points: 2** |
| **As an administrator, I want to delete a specific product, so that I can remove that product because we are not selling it anymore** | | |
| Acceptance criteria:   * Given that the administrator is logged in * When the administrator deletes a product * Then administrator can see that the product was deleted | | |

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| --- | --- | --- |
| **ID – US3** | **User Story** | **Points: 2** |
| **As an administrator, I want to delete a specific series and the products in that series, so that I can remove that series because we are not selling products from that series anymore** | | |
| Acceptance criteria:   * Given that the administrator is logged in * When the administrator deletes a series * Then the series and all products from that series is deleted | | |

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| --- | --- | --- |
| **ID – US4** | **User Story** | **Points: 1** |
| **As a visitor, I want to be able to see all series, so that I can decide which series products should I look up to** | | |
| Acceptance criteria:   * Given that the visitor is on the main page * When the visitor navigates through the series page * Then all series are displayed | | |

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| --- | --- | --- |
| **ID – US5** | **User Story** | **Points: 2** |
| **As a visitor, I want to be able to see the products of a specific series, so that I can decide which products I want to buy** | | |
| Acceptance criteria:   * Given that the visitor is on the series page * When the visitor selects a series * Then all products from that series are displayed | | |

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| --- | --- | --- |
| **ID – US6** | **User Story** | **Points: 3** |
| **As a visitor, I want to be able to log in my account, so that I can see/change my information in my profile** | | |
| Acceptance criteria:   * Given that a visitor has a valid profile account * When the user provides his correct credentials * Then the user is logged in * And can go to the profile page * And see personal information/previous orders | | |

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| --- | --- | --- |
| **ID – US7** | **User Story** | **Points: 2** |
| **As a visitor, I want to be able to register, so that I can have an account** | | |
| Acceptance criteria:   * Given that a visitor has a valid email * And it’s not used for another account * When the user gives the required information and confirms the registration * Then he will receive an email notifying that he is registered * And logged in his profile | | |

|  |  |  |
| --- | --- | --- |
| **ID – US8** | **User Story** | **Points: 2** |
| **As a visitor, I want to see information about a specific series, so that I can read more information about this series** | | |
| Acceptance criteria:   * Given that the visitor is in the series page * When he selects a series * Then he will see more information about the series * And the products from that series | | |

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| --- | --- | --- |
| **ID – US9** | **User Story** | **Points: 2** |
| **As a visitor, I want to see information about a specific product, so that I can understand for what is used** | | |
| Acceptance criteria:   * Given that the visitor is in the product page * When he selects a product * Then he will see more information about the product * And reviews/comments | | |

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| --- | --- | --- |
| **ID – US10** | **User Story** | **Points: 2** |
| **As a visitor, I want to filter products, so that I can see the newest or cheapest products** | | |
| Acceptance criteria:   * Given that the visitor is in the product page * When he selects an option from the filter * Then the products will be filtered by the specified choice | | |

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| --- | --- | --- |
| **ID – US11** | **User Story** | **Points: 3** |
| **As a user, I want to comment on products, so that other people can see my review on the product** | | |
| Acceptance criteria:   * Given that the user is logged in * And in the page of a specific product * When he comments below the product and post it * Then the comment will be visible by anyone | | |

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| --- | --- | --- |
| **ID – US12** | **User Story** | **Points: 5** |
| **As a user, I want to be able to add products to my cart, so that I can purchase selected products** | | |
| Acceptance criteria:   * Given that the user is logged in * And the user has added product/products to the cart * And goes to the cart * When the user checkouts * Then the user is redirected to another page to fulfill the required information * When the user fills in the required information and confirms * Then the order will be completed * And the user will receive an email with information about the order | | |

# User Acceptance Tests

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | ID-US | Story | Pre-Condition | Test Data | Expected result |
| 1 | ID-US1 | As an administrator, I want to add new products to a specific series, so that we can display our new products | Logged in as an admin account, navigate to ‘Product’ page and click on add product button | Product name: Love Shampoo  Description: love shampoo for smooth hair  Type: Shampoo  Price: 9.89  Quantity: 5  Image: [image](https://res.cloudinary.com/dssmw7qxi/image/upload/v1669307040/davines%20project/8eb9ef01d5eaa91709b1a4f530b578ae67bb72b3_2000x_q5xvqc.jpg)  Series: Love | Notification pops up confirming that the product was added. The website will reload the list of the products showing the new product |
| 2 | ID-US2 | As an administrator, I want to delete a specific product, so that I can remove that product because we are not selling it anymore |  |  |  |
| 3 | ID-US3 | As an administrator, I want to delete a specific series and the products in that series, so that I can remove that series because we are not selling products from that series anymore |  |  |  |
| 4 | ID-US4 | As a visitor, I want to be able to see all series, so that I can decide which series products should I look up to | Go to the website and then navigate to “series” page | NA | Browser’s will load the page displaying all the available series |
| 5 | ID-US5 | As a visitor, I want to be able to see the products of a specific series, so that I can decide which products I want to buy | Go to the website, navigate to the “series” page and then select a Series | NA | It will redirect you to another page displaying all the products of this series and a small description of the series |
| 6 | ID-US6 | As a visitor, I want to be able to log in my account, so that I can see/change my information in my profile | A valid user account | Username:  [vartand@gmail.com](mailto:vartand@gmail.com)  Password:  vartan | It will redirect you to the home page while logged in. |
| 7 | ID-US7 | As a visitor, I want to be able to register, so that I can have an account |  |  |  |
| 8 | ID-US8 | As a visitor, I want to see information about a specific series, so that I can read more information about this series | Go to the website, navigate to the “series” page, and then select a Series | NA | It will redirect you to another page showcasing a small description of the series and displaying all the products |
| 9 | ID-US9 | As a visitor, I want to see information about a specific product, so that I can understand for what is used | Go to the website navigate to the “products” page, and click on a product | NA | It will redirect you to another page displaying more information about the product |
| 10 | ID-US10 | As a visitor, I want to filter products, so that I can see the newest or cheapest products |  |  |  |
| 11 | ID-US11 | As a user, I want to comment on products, so that other people can see my review on the product |  |  |  |
| 12 | ID-US12 | As a user, I want to be able to add products to my cart, so that I can purchase selected products |  |  |  |

# Test Deliverables

Test deliverables are provided **before** testing phase.

Test plans document.

Test cases documents

Test Design specifications.

Test deliverables are provided **during** the testing

Test Scripts

Simulators.

Test Data

Test Traceability Matrix

Error logs and execution logs.

Test deliverables are provided **after** the testing cycles is over.

**Test Results/reports**

Defect Report

Installation/ Test procedures guidelines

**Release notes**