**D’Baesics Whole Software Development Lifecycle (SDLC)**

**Phase 1: Planning and Requirements Gathering**

**1. Requirements Gathering**

Business Requirement:

* Have a website to market and showcase D’Baesics products
* be able to handle orders and shipping
* Integrate a payment system
* manage inventory
* user interaction

Key Features:

* Login/Signup of a user.
* Add to cart
* Shopping Cart
* Checkout and payment (Stripe Integration)
* Inventory Management (Admin dashboard)

Purpose:

* To market D’Baesic Apparel products, sell online and reach more audience, and increase the overall sales of the store.
* To also have an admin dashboard that tracks profit and revenue, costs, most profitable products, and more

Audience:

* Mostly women looking for women’s fashion and apparel.

User Interface:

* Easy to navigate website where buyers will be able to view products, add to cart, view shopping cart, checkout, and payment successful.
* Elegant looking website tailored for women’s fashion and aesthetic.

**User Stories (For the User):**

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| **Story** | As a shopper, I need to be able to add items to my shopping cart so I can purchase them. |
| **Acceptance Criteria** | Select item, click button to add item to cart. Item is in cart. |
| **Size** | **SMALL** |

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| **Story** | As a shopper, I need to be able to view the items in my shopping cart so I can decide if I want to purchase them. |
| **Acceptance Criteria** | Select item, add to cart, select link to “view cart” and item is present. |
| **Size** | **MEDIUM** |

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| **Story** | As a shopper, I want to be able to update the quantity of items in my shopping cart so I can adjust my purchase quantity. |
| **Acceptance Criteria** | In the cart view, I can change the quantity of a selected item, and the total price is updated accordingly. |
| **Size** | **SMALL** |

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| **Story** | As a shopper, I need the ability to remove items from my shopping cart in case I change my mind about a purchase. |
| **Acceptance Criteria** | In the cart view, I can click a button to remove a selected item, and the cart is updated without that item. |
| **Size** | **SMALL** |

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| **Story** | As a shopper, I want to see the total cost of the items in my shopping cart, including taxes and any applied discounts. |
| **Acceptance Criteria** | The cart view displays the total cost with a detailed breakdown of individual item costs, taxes, and discounts. |
| **Size** | **MEDIUM** |

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| **Story** | As a shopper, I need the option to apply a promotional code or voucher to my shopping cart to avail discounts. |
| **Acceptance Criteria** | During the checkout process, there is a field to enter a promotional code, and applying it reflects the discounted price. |
| **Size** | **MEDIUM** |

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| **Story** | As a shopper, I want to proceed to the checkout page with a single click to save time, using Stripe API. |
| **Acceptance Criteria** | A prominent and easily accessible "Checkout" button is available in the cart view, leading directly to the checkout page. |
| **Size** | **SMALL** |

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| **Story** | As a shopper, I need to enter my shipping address during checkout to ensure accurate delivery. |
| **Acceptance Criteria** | The checkout process includes a step for entering and validating the shipping address. |
| **Size** | **MEDIUM** |

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| **Story** | As a shopper, I want to select my preferred payment method during checkout for a seamless payment experience. |
| **Acceptance Criteria** | The checkout process includes a step for choosing a payment method, such as credit card or PayPal. |
| **Size** | **MEDIUM** |

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| **Story** | As a shopper, I want to receive an order confirmation email after completing my purchase. |
| **Acceptance Criteria** | An email is sent to the shopper's registered email address confirming the order details. |
| **Size** | **SMALL** |

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| **Story** | As a shopper, I need the option to save multiple shipping addresses for future orders. |
| **Acceptance Criteria** | The user profile includes a feature to add and manage multiple shipping addresses. |
| **Size** | **MEDIUM** |

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| **Story** | As a shopper, I want to see real-time shipping updates and tracking information for my order. |
| **Acceptance Criteria** | After completing the purchase, the shopper can track the order status and receive timely updates on shipping progress. |
| **Size** | **LARGE** |

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| **Story** | As a business owner, I want to see real-time shipping updates and tracking information for my order. |
| **Acceptance Criteria** | After completing the purchase, the shopper can track the order status and receive timely updates on shipping progress. |
| **Size** | **LARGE** |

**User Stories (For the Business Owner):**

**Managing Inventory:**

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| **Story** | As a business owner, I want to efficiently manage the inventory of products in my store. |
| **Acceptance Criteria** | 1. I can add new products to the inventory, specifying details such as name, category, price, and quantity.  2. I can update product information, including price and quantity available.  3. I can easily mark products as out of stock or remove them from the inventory.  4. The system should provide real-time updates on the available quantity of each product. |
| **Size** | **MEDIUM** |

**Sales Report:**

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| **Story** | As a business owner, I want to generate comprehensive sales reports to track the performance of my store. |
| **Acceptance Criteria** | 1. I can generate a sales report for a specific time period, showing total revenue, number of orders, and average order value.  2. The report should break down sales by product, indicating the best-selling items.  3. The system should allow me to export the sales report in a downloadable format (e.g., CSV, PDF). |
| **Size** | **LARGE** |

**Customer Management:**

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| **Story** | As a business owner, I want to manage customer information and track their purchasing history. |
| **Acceptance Criteria** | 1. I can view a list of registered customers, including their names and contact details.  2. For each customer, I can see a history of their past orders, including dates and purchased items.  3. I can add notes or tags to individual customer profiles for personalized service. |
| **Size** | **MEDIUM** |

**Discount Management:**

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| **Story** | As a business owner, I want the ability to create and manage discounts for promotional purposes. |
| **Acceptance Criteria** | 1. I can create discount codes with specified conditions (e.g., percentage off, fixed amount).  2. The system should apply discounts automatically during checkout when a valid code is entered.  3. I can set expiration dates for discount codes.  4. I can track the usage and effectiveness of each discount code. |
| **Size** | **MEDIUM** |

**Order Tracking:**

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| **Story** | As a business owner, I want to easily track and manage the status of customer orders. |
| **Acceptance Criteria** | 1. The system should provide a dashboard displaying the current status of all orders.  2. I can filter orders by status (e.g., pending, shipped, delivered).  3. I receive timely notifications for critical order events (e.g., new order, order shipped). |
| **Size** | **SMALL** |