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| **Test Case** | **Initial State** | **Input** | **Output** |
| Select menu item | Menu items page | User clicks item | Item customization page |
| Add item to cart | Special instructions page | User clicks checkmark | Message - "Added item to cart"  Item visible on cart page |
| Add toppings | Toppings page | User clicks on toppings checkboxes. Adds item to cart. | Item name along with item toppings displayed on cart page |
| Add side order | Side order page | User clicks on side order name. Adds item to cart | Item name along with side order displayed on cart page |
| Modify item toppings | Cart page | User clicks customize icon. Proceed to click on toppings checkboxes | Item name along with modified item toppings displayed on cart page |
| Modify side order | Cart page | User clicks customize icon. Proceed to click on side order name. | Item name along with modified side order displayed on cart page |
| Delete item | Cart page | User clicks delete icon | Item is removed off cart page |

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| **Test Case** | **Initial State** | **Input** | **Output** |
| Dependability Test | Database consists of 30 menu items | Script for HTTP GET request for menu every 2 minutes | JSON structure of menu |
| Verify database does not malfunction with stress | Database consists of 30 menu items | Query one menu item concurrently 30 times | JSON structure of menu |

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| **Test Case** | **Initial State** | **Input** | **Output** |
| Test database query with 10 menu items | Empty database | Add 10 items to database | getRestarauntByBarcode() should return all menu in less than 1.5 seconds |
| Test database query with 50 menu items | Empty database | Add 50 items to database | getRestarauntByBarcode () should return all menu in less than 1.5 seconds |
| Test database query with 100 menu items | Empty database | Add 100 items to database | getRestarauntByBarcode () should return all menu in less than 1.5 seconds |

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| **Test Case** | **Initial State** | **Input** | **Output** |
| Scan working barcode | Barcode scanning page | Eligible barcode | Restaurant menu |
| Scan corrupt barcode | Barcode scanning page | Corrupt barcode | Barcode scanning page  Message - "Invalid barcode. Please try again” |
| Scan random picture | Barcode scanning page | Random picture | Barcode scanning page  Message - "Invalid barcode. Please try again” |
| Scan corrupt barcode – third attempt | Barcode scanning page | Corrupt barcode | Barcode scanning page  Message - "Invalid barcode. Please contact host” |
| Scan deprecated barcode | Barcode scanning page | Deprecated barcode | Barcode scanning page  Message - "Invalid barcode. Please try again” |
| Scan deprecated barcode – third attempt | Barcode scanning page | Deprecated barcode | Barcode scanning page  Message - "Invalid barcode. Please contact host” |

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| **Test Case** | **Initial State** | **Input** | **Output** |
| Proceed to payment with items in cart | Cart page. Items in cart | Click checkmark | Advances to confirm order page |
| Proceed to payment with no items in cart | Cart page. No items in cart | Click checkmark | Message – “Cart is empty. Please add items before checkout” |
| Proceed to payment page with items in cart | Confirm order page | Click checkmark | Advances to credit card information page |
| Input valid credit information | Credit card information page | Input valid credit card number, name, expiration date, CVC | Message – “order sent”  Return to account sign in page |
| Input invalid credit card information | Credit card information page | Input invalid credit number or name or expiration date or CVC | Message – “Invalid card details” |