

ACCEPTANCE TEST CASES FOR E-COMMERCE WEB APPLICATION

PREPARED BY

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TABLE OF CONTENT

1. Acceptance Test Case

- 1.1 Register and Login
- 1.2 Change Password
- 1.3 Search and Filter
- 1.4 Purchase Item
- 1.5 Manage Order and Inventory
- 1.6 Email Notification

1. Acceptance Test Case

1.1 REGISTER AND LOGIN

Name of Use Case	User Registration and Login - Users can register for an account and login to access personalized features.
Pre-Conditions	Users access the website or app. User wants to register for an account or login to an existing account.
Post-Conditions	User successfully registers for an account or logs in to an existing account.
Events Flow	<p>User accesses the registration or login page.</p> <p>For User Registration:</p> <ol style="list-style-type: none"> 1. User enters email, username, and password. 2. System validates information and creates an account. <p>For User Login:</p> <ol style="list-style-type: none"> 1. User enters an email and password. 2. System validates credentials. 3. If correct, the user is logged in and redirected to the dashboard. 4. If incorrect, the system displays an error message.
Alternate Flow and Exceptions	Existing email for registration prompts users to use a different email or login. Forgot password allows user to reset password via email. Issues during registration or login display error message.

The screenshot shows the Mernabook website interface. At the top, there is a navigation bar with the logo 'MERNABOOK', a search bar, and links for 'My Account' and 'Cart 0'. Below the navigation bar, there is a secondary navigation menu with options like 'Search by Subject', 'Home', 'Shop', 'Cart', 'Checkout', 'Find Order', 'Dashboard', and 'Help'. The main content area is divided into two sections. On the left, there is a teal-colored box with the heading 'Don't waste your time' and subtext 'Create an account quickly with a single click.' It features two social sign-up buttons: 'Sign-up with Google' (with a Google icon) and 'Sign-up with Facebook' (with a Facebook icon). On the right, there is a white box titled 'Signup' with the subtext 'Before you get started, you must sign up if you don't already have an account.' It contains two input fields: 'Email*' and 'Password*', both with placeholder text 'Email' and 'Password'. Below these fields is a 'Signup' button. At the bottom of the right section, there is a link 'Already have an account? Login'.

The screenshot shows the MERNABOOK website with a dark header bar. On the left, there's a search bar and a user login link. The main content area has a teal sidebar on the left with the heading "Don't waste your time" and subtext "Create an account quickly with a single click." It features two buttons: "Sign-up with Google" (with a Google icon) and "Sign-up with Facebook" (with a Facebook icon). To the right, a white box contains the "Signup" form. It includes fields for "Email*" (containing "rnb91@txstate.edu") and "Password*" (containing a masked password). A "Signup" button is at the bottom. Below the form is a link "Already have an account? Login".

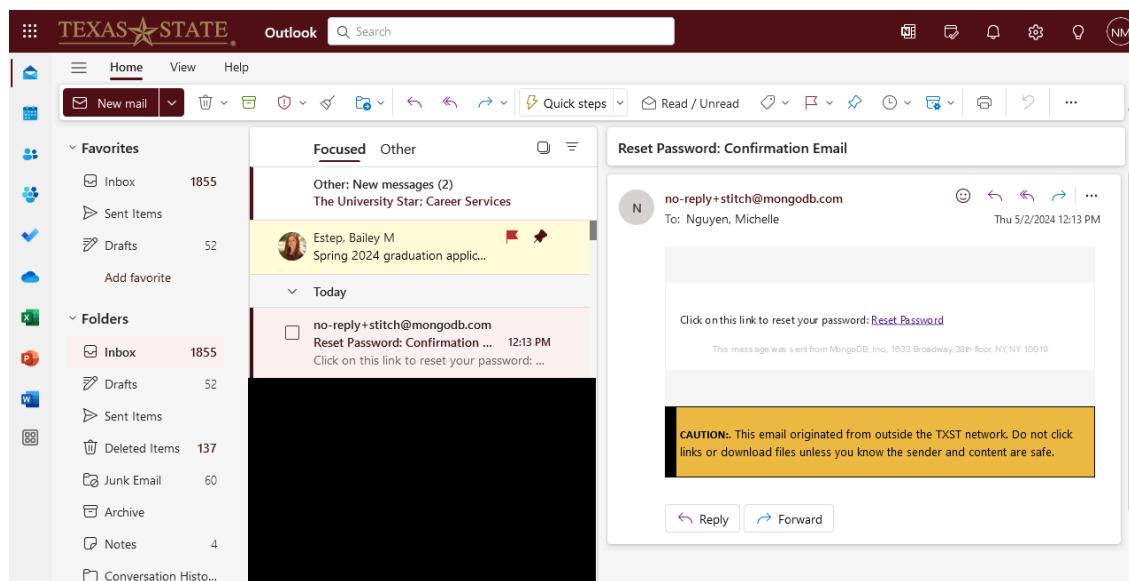
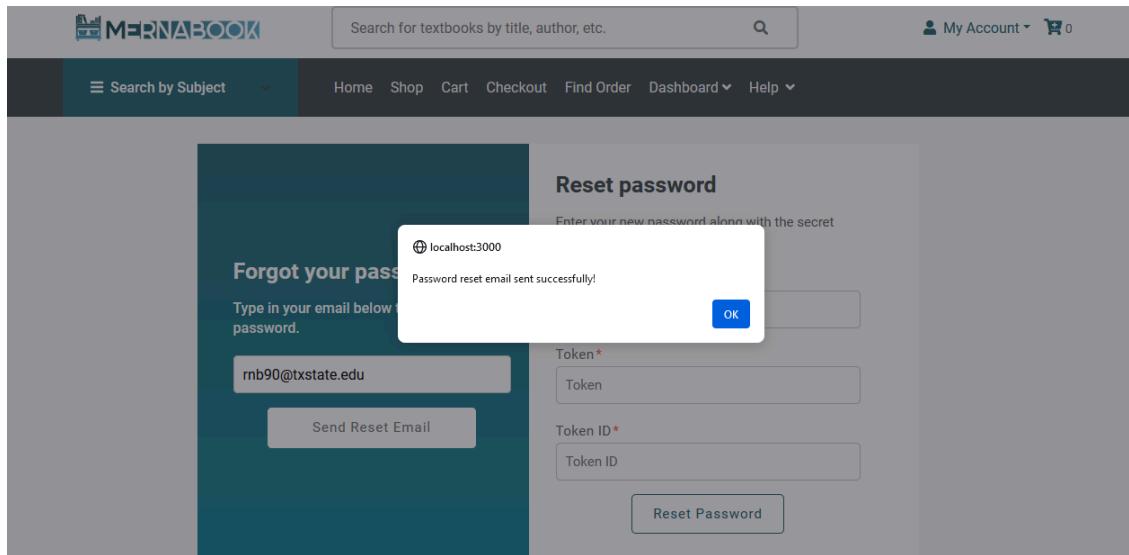
The screenshot shows the MERNABOOK website with a dark header bar. The main content area has a teal sidebar on the left with the heading "Don't waste your time" and subtext "Login quickly with Google one-tap signin.". It features two buttons: "Login with Google" (with a Google icon) and "Login with Facebook" (with a Facebook icon). To the right, a white box contains the "Login" form. It includes fields for "Username or email address*" (containing "rnb91@txstate.edu") and "Password*" (containing a masked password). A "Login" button is at the bottom. Below the form are links "Create an account" and "Forgot Password?".

The screenshot shows the MERNABOOK website with a dark header bar. The main content area has a teal sidebar on the left with the heading "Dashboard" and a list of items: "Order History", "Account Details", "Security", and "Logout". To the right, a white box contains a section titled "DASHBOARD" with a dashed line separator. Below it is a paragraph of placeholder text: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. In condimentum quam ac mi viverra dictum. In efficitur ipsum diam, at dignissim lorem tempor in. Vivamus tempor hendrerit finibus. Nulla tristique viverra nisl, sit amet bibendum ante suscipit non. Praesent in faucibus tellus, sed gravida lacus. Vivamus eu diam eros. Aliquam et sapien eget arcu rhoncus scelerisque."

1.2 CHANGE PASSWORD

Name of Use Case	Change Password - Users can change their password by verifying their email address and entering a new password.
Pre-Conditions	User is logged into their account and has access to the email associated with their account.
Post-Conditions	User's password is successfully changed.
Events Flow	<ol style="list-style-type: none"> 1. User navigates to the change password page. 2. User enters their email address to receive a verification link. 3. User checks their email and clicks on the verification link. 4. User is redirected to a page where they can enter a new password. 5. User enters the new password and confirms it. 6. System validates the new password and updates the user's account with the new password.
Alternate Flow and Exceptions	If the verification link is expired or invalid, the system prompts the user to request a new link.

The screenshot displays the MERNABOOK website interface. At the top, there is a navigation bar with the logo 'MERNABOOK', a search bar, and a 'My Account' section. Below the navigation bar, there is a secondary navigation menu with links for 'Search by Subject', 'Home', 'Shop', 'Cart', 'Checkout', 'Find Order', 'Dashboard', and 'Help'. The main content area is divided into two panels. The left panel is titled 'Forgot your password?' and contains a form where the user has entered 'rnb90@txstate.edu' and clicked 'Send Reset Email'. The right panel is titled 'Reset password' and contains fields for 'New Password*', 'Token*', and 'Token ID*'. The 'Reset Password' button is located at the bottom of this panel.



MERNABOOK

Search for textbooks by title, author, etc.

My Account | 0

≡ Search by Subject

Home Shop Cart Checkout Find Order Dashboard Help

Forgot your password?

Type in your email below to reset your password.

Reset password

Enter your new password along with the secret Token and TokenID.

New Password*

Token*

Token ID*

MERNABOOK

Search for textbooks by title, author, etc.

My Account | 0

≡ Search by Subject

Home Shop Cart Checkout Find Order Dashboard Help

Forgot your password?

Type in your email below to reset your password.

Reset password

Enter your new password along with the secret Token and TokenID.

Token*

Token ID*

MERNABOOK

Search for textbooks by title, author, etc.

My Account | 0

≡ Search by Subject

Home Shop Cart Checkout Find Order Dashboard Help

Dashboard

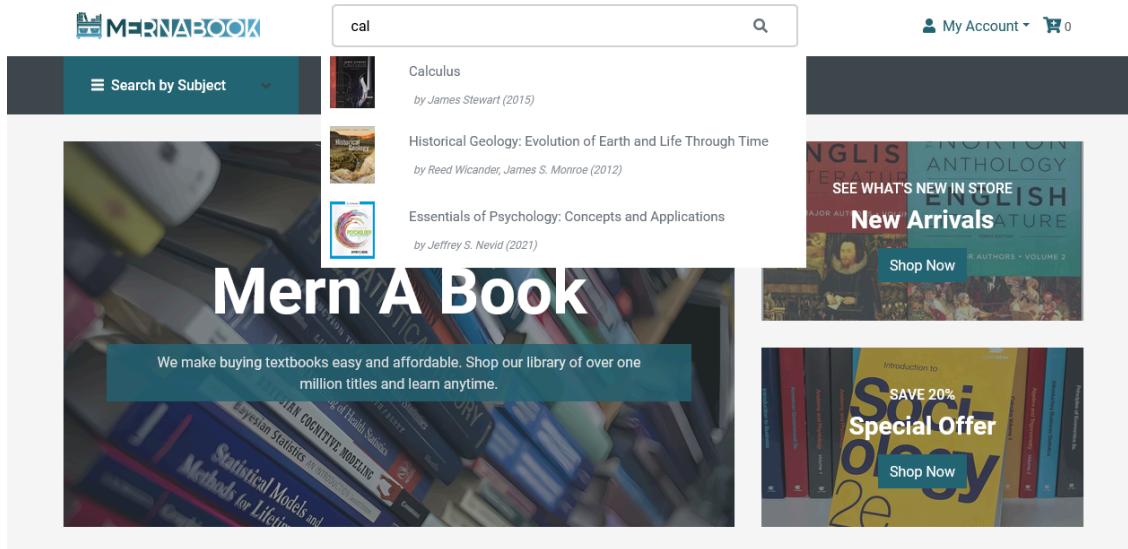
- 🛒 Order History
- 👤 Account Details
- 🔒 Security
- ➡️ Logout

DASHBOARD

Lore ipsum dolor sit amet, consectetur adipiscing elit. In condimentum quam ac mi viverra dictum. In efficitur ipsum diam, at dignissim lorem tempor in. Vivamus tempor hendrerit finibus. Nulla tristique viverra nisl, sit amet bibendum ante suscipit non. Praesent in faucibus tellus, sed gravida lacus. Vivamus eu diam eros. Aliquam et sapien eget arcu rhoncus scelerisque.

1.2 SEARCH AND FILTER

Name of Use Case	Search and Filter - Customers can search for products by category, brand, or price.
Pre-Conditions	User accesses the correct webpage.
Post-Conditions	User finds desired products based on search criteria.
Events Flow	<ol style="list-style-type: none"> 1. User enters search criteria (e.g., category, brand, price range) in the search bar. 2. System filters the products based on the criteria entered. 3. User views the filtered products and selects a product of interest.
Alternate Flow and Exceptions	<p>If no products match the search criteria, display message indicating that no results are found.</p> <p>If there are issues with filtering the products, display error message.</p>



MERNABOOK

Search for textbooks by title, author, etc.

My Account 

≡ Search by Subject

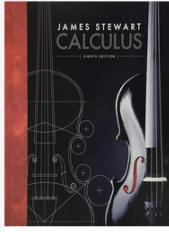
Home Shop Cart Checkout Find Order Dashboard Help

FILTER BY SUBJECT

- All Subjects 17
- Computer Science 6
- Mathematics 4
- Geology 2
- English 2
- Psychology 2
- Sociology 1

FILTER BY PRICE

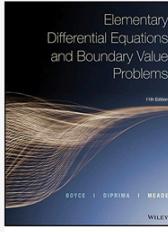
- \$0 - \$50



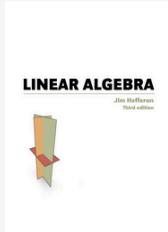
Calculus
James Stewart
\$177.49 **\$177.49**
★★★★★ (57)



Introduction to Modern Statistics
Mine Çetinkaya-Rundel et al.
\$24.99 **\$24.99**
★★★★★ (57)



Elementary Differential Equations and Boundary...
William E. Boyce et al.
\$134.99 **\$134.99**
★★★★★ (57)



Linear Algebra
Jim Hefferon
\$13.99 **\$13.99**
★★★★★ (57)

Sort by ▾

FILTER BY SUBJECT

- All Subjects 17
- Computer Science 6
- Mathematics 4
- Geology 2
- English 2
- Psychology 2
- Sociology 1

FILTER BY PRICE

- \$0 - \$50
- \$50 - \$100
- \$100 - \$200
- \$200 and above

MERNABOOK

Search for textbooks by title, author, etc.

My Account 

≡ Search by Subject

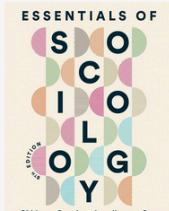
Home Shop Cart Checkout Find Order Dashboard Help

FILTER BY SUBJECT

- All Subjects 17
- Computer Science 6
- Mathematics 4
- Geology 2
- English 2
- Psychology 2
- Sociology 1

FILTER BY PRICE

-  



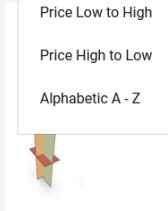
Essentials of Sociology
Anthony Giddens et al.
\$43.95 **\$43.95**
★★★★★ (57)



Clean Code
A Handbook of Agile Software Craftsmanship
Robert C. Martin
\$39.99 **\$39.99**
★★★★★ (57)



Introduction to Modern Statistics
Mine Çetinkaya-Rundel et al.
\$24.99 **\$24.99**
★★★★★ (57)



Linear Algebra
Jim Hefferon
\$13.99 **\$13.99**
★★★★★ (57)

Sort by ▾

- Price Low to High
- Price High to Low
- Alphabetic A - Z

MERNABOOK

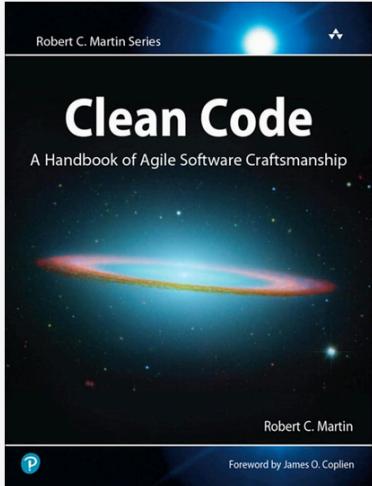
Search for textbooks by title, author, etc.

My Account | Cart 0

Search by Subject

Home Shop Cart Checkout Find Order Dashboard Help

Information More Details



Clean Code
A Handbook of Agile Software Craftsmanship
Robert C. Martin
Foreword by James O. Coplien

Clean Code: A Handbook of Agile Software Craftsmanship
★★★★★ (57 Reviews)
\$39.99

Even bad code can function. But if code isn't clean, it can bring a development organization to its knees.
Every year, countless hours and significant resources are lost because of poorly written code.
Noted software expert Robert C. Martin, presents a revolutionary paradigm with Clean Code: A Handbook of Agile Software Craftsmanship. Martin, who has helped bring agile principles from a practitioner's point of view to tens of thousands of programmers, has teamed up with his colleagues from Object Mentor to distill their best agile practice of cleaning code "on the fly" into a book that will instill within you the values of software craftsman, and make you a better programmer—but only if you work at it.

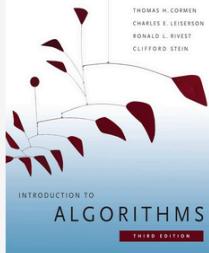
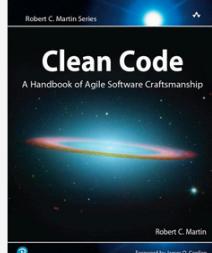
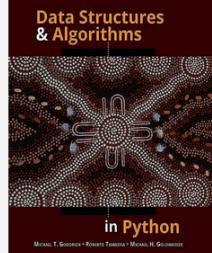
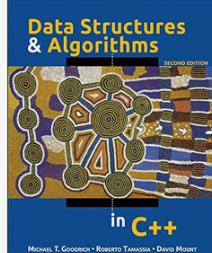
Type: Hardcover Paperback

- 0 + Add To Cart

Product Description

Even bad code can function. But if code isn't clean, it can bring a development organization to its knees.
Every year, countless hours and significant resources are lost because of poorly written code. But it doesn't have to be that way.
Noted software expert Robert C. Martin, presents a revolutionary paradigm with Clean Code: A Handbook of Agile Software Craftsmanship. Martin, who has helped bring agile principles from a practitioner's point of view to tens of thousands of programmers, has teamed up with his colleagues from Object Mentor to distill their best agile practice of cleaning code "on the fly" into a book that will instill within you the values of software craftsman, and make you a better programmer—but only if you work at it.

YOU MAY ALSO LIKE

 <p>Introduction to Algorithms Thomas H. Cormen et al. \$79.99</p>	 <p>Clean Code A Handbook of Agile Software Craftsmanship Robert C. Martin Foreword by James O. Coplien</p>	 <p>Data Structures & Algorithms in Python Michael T. Goodrich et al. \$184.95</p>	 <p>Data Structures & Algorithms in C++ Michael T. Goodrich et al. \$184.95</p>
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1.3 PURCHASE ITEMS

Name of Use Case	Customer Interaction - Customers can register, sign in, browse inventory, add items to cart, and proceed to checkout.
Pre-Conditions	Customer accesses the correct webpage.
Post-Conditions	Customer completes a purchase and receives a confirmation email.
Events Flow	<ol style="list-style-type: none"> Customer accesses the website and browses the inventory as a guest. Customer selects items and adds them to the cart. When ready to checkout, customer is prompted to either continue as a guest or register for an account. If customer chooses to register, they fill in the registration form. System verifies the information and creates a new user account. Customer logs in using the newly created account or as a guest. Customer enters shipping and payment information. System processes the payment and completes the purchase. Customer receives a confirmation email.
Alternate Flow and Exceptions	If customer registration fails (e.g., invalid information), display error message. If payment processing fails, customer is prompted to try again or use a different payment method.

The screenshot shows the MERNABOOK website interface. At the top, there is a navigation bar with links for Home, Shop, Cart, Checkout, Find Order, Dashboard, and Help. A search bar is located at the top center. On the right side of the header, there is a 'My Account' link and a shopping cart icon showing '4' items.

The main content area displays a shopping cart summary. The cart contains three items:

Products	Price	Quantity	Total	Remove
Clean Code: A Handbook of Agile Software Craftsman	\$39.99	2	\$79.98	X
Introduction to Algorithms	\$79.99	1	\$79.99	X
Modern Operating Systems	\$65.99	1	\$65.99	X

To the right of the cart table, there is a section for applying a coupon code, with fields for 'Coupon Code' and 'Apply Coupon'. Below the cart table, a 'CART SUMMARY' section provides a breakdown of the total cost:

Subtotal	\$225.96
Shipping	\$10.00
Tax	\$14.12
Total	\$250.08

A large blue button labeled 'Proceed To Checkout' is located at the bottom right of the summary section.



Search for textbooks by title, author, etc.

My Account
 4

≡ Search by Subject
Home Shop Cart Checkout Find Order Dashboard Help

SHIPPING ADDRESS

First Name	Last Name
Michelle	Testing
E-mail	Mobile No
micnguyen2063@gmail.com	1234567890
Address Line 1	Address Line 2
123 Street	123 Street
Country	City
United States	Murphy
State	ZIP Code
Texas	75996

[Go back to Cart](#)

Products

Clean Code: A Handbook of Agile Software Craftsmanship	\$79.98
Introduction to Algorithms	\$79.99
Modern Operating Systems	\$65.99
Subtotal	\$225.96
Shipping	\$10.00
Tax	\$14.12
Total	\$250.08

PAYMENT METHOD

Paypal
 Direct Check
 Credit or Debit Card

Cardholder Name

Card Number

4242 4242 4242 4242
11 / 25 222

Please only enter "4242 4242 4242 4242" or any test cards for the info list. We are not responsible if you use real card numbers. This is a mock payment, so using test card number will simulate a successful transaction without charging any actual funds.

Address	City
1401 Thorpe Ln	Murphy
State	ZIP Code
Texas	78666

 MERNABOOK

My Account Cart 4

≡ Search by Subject
Home Shop Cart Checkout Find Order Dashboard Help

THANK YOU FOR YOUR PURCHASE

ORDER #: 6633CBAD54D6FBEC458710B8 

 Order Received
 Order Processing
 Order Preparing
 Order En Route
 Order Arriving

ORDER DETAILS

Name	Michelle Testing	Phone	1234567890
Email	micnguyen2063@gmail.com	Order Date	5/2/2024
Billing Address	1401 Thorpe Ln, Murphy, Texas, 78666		
Shipping Address	123 Street, Murphy, Texas, 75996		

ORDER STATUS

Status	Pending
You will be notified once there's an update on your Order	
Subtotal	\$225.96
Shipping	\$10.00
Tax	\$14.12
Total	\$250.08

ORDER CONTENT

Products	Price	Quantity	Total
 Clean Code: A Handbook of Agile Software Craftsmanship	\$39.99	2	\$79.98
 Introduction to Algorithms	\$79.99	1	\$79.99
 Modern Operating Systems	\$65.99	1	\$65.99

1.4 MANAGE ORDER & INVENTORY

Name of Use Case	Admin Management - Admin can manage users, update inventory, view orders, and generate sales reports.
Pre-Conditions	Admin accesses the correct webpage.
Post-Conditions	Admin successfully manages store operations.
Events Flow	<p>Admin logs in to the admin dashboard.</p> <p>Admin navigates to the "Manage Orders" section.</p> <p>Admin views the list of orders and their details.</p> <p>Admin confirms order information or modify an order if necessary.</p> <p>Admin navigates to the "Manage Inventory" section.</p> <p>Admin adds new items to the inventory or updates existing items.</p> <p>Admin navigates to the "Manage Statistics" section.</p> <p>Admin generates sales reports based on specified criteria.</p>
Alternate Flow and Exceptions	<p>If internet connection is lost, display error message.</p> <p>If admin encounters issues with updating inventory, display error message.</p>

The screenshot shows the MERNABOOK E-commerce web application's Orders dashboard. At the top, there is a navigation bar with links for Home, Shop, Cart, Checkout, Find Order, Dashboard, and Help. On the left, a sidebar menu includes Search by Subject, Dashboard, Account Details, Orders (selected), Product, Statistic, Security, and Logout. The main content area is titled "ORDERS" and features a search bar, filters for All Status, All Prices, and Sort By, and an "Export Data" button. A table lists 15 orders with columns for OrderID, Name, Status, Order Date, Complete Date, Total Price, and Actions (View). The table rows alternate in color.

OrderID	Name	Status	Order Date	Complete Date	Total Price	Actions
6625b64a2881e77...	Michelle Nguyen	Complete	4/2/2024	4/11/2024	\$544.92	<button>View</button>
6625baa12881e77...	Michelle Phan	Complete	4/11/2024	4/21/2024	\$417.96	<button>View</button>
6625bafa2881e77...	Unna Unna	Preparing	4/12/2024	4/20/2024	\$39.73	<button>View</button>
6625ba0f2881e77...	Tammy Lu	Complete	4/8/2024	4/21/2024	\$169.35	<button>View</button>
6625bb6a2881e77...	Michelle Nguyen	Preparing	4/13/2024	--	\$449.80	<button>View</button>
6625b7cc2881e77...	Lisa Doe	Complete	4/3/2024	4/15/2024	\$609.15	<button>View</button>
66275d43f21708d...	Michelle Something	Delivering	4/22/2024	--	\$73.74	<button>View</button>
6627eb099e38d57...	Leslie Thing	Pending	4/20/2024	--	\$473.13	<button>View</button>
662808bae23a34f...	Jason Something	Preparing	4/22/2024	--	\$198.58	<button>View</button>
66281c1c886e5a9...	Michelle Fake	Delivering	4/22/2024	--	\$403.02	<button>View</button>
662837f69fe1b99...	Michelle Smothing	Delivering	4/23/2024	--	\$150.23	<button>View</button>
662e0517e17b1ca...		Pending	4/27/2024	--	\$641.03	<button>View</button>
6633cbad54d6fbe...	Michelle Testing	Pending	5/2/2024	--	\$250.08	<button>View</button>

MERNABOOK

Search for textbooks by title, author, etc.

My Account | Cart 0

≡ Search by Subject | Home | Shop | Cart | Checkout | Find Order | Dashboard | Help

ORDERS | Back to Order

ORDER #: 662808BAE23A34F9CDD0E906

ORDER DETAILS		ORDER STATUS	
Name	Jason Something	Phone	1234567890
Email	micnguyen2063@gmail.com	Order Date	4/22/2024
Billing Address	123 Street, Austin, Texas, 75555		
Shipping Address	123 Street, Austin, Texas, 75555		

Products	Price	Quantity	Total
 Calculus	\$177.49	1	\$177.49

Update Status: Complete | Update status |  Cancel order

Order ID	Customer Name	Status	Delivering	Order Date	Delivery Date	Total	Action
66275d43f21708d...	Michelle Something	Delivering	4/22/2024	---	---	\$73.74	View
6627eb099e38d57...	Leslie Thing	Pending	4/20/2024	---	---	\$473.13	View
662808bae23a34f...	Jason Something	Complete	4/22/2024	5/2/2024	---	\$198.58	View
66281c1c886e5a9...	Michelle Fake	Delivering	4/22/2024	---	---	\$403.02	View
662837f69fe1b99...	Michelle Smothing	Delivering	4/23/2024	---	---	\$150.23	View
6633cbad54d6fbe...	Michelle Testing	Pending	5/2/2024	---	---	\$250.08	View

MERNABOOK

Search for textbooks by title, author, etc.

My Account ▾ 0

≡ Search by Subject ▾ Home Shop Cart Checkout Find Order Dashboard ▾ Help ▾

INVENTORY

+ Add new Product Export Data

ISBN	Title	Price	Quantity	Action
978-0133591620	Modern Operating Systems	\$65.99	10	View
978-0132350884	Clean Code: A Handbook of Agile Software Craftsman	\$39.99	23	View
978-0262033848	Introduction to Algorithms	\$79.99	35	View
978-1285740621	Calculus	\$177.49	23	View
978-1943450145	Introduction to Modern Statistics	\$24.99	12	View
978-1119443766	Elementary Differential Equations and Boundary Value Problems	\$134.99	16	View
978-1944325039	Linear Algebra	\$13.99	35	View
978-1111990572	Historical Geology: Evolution of Earth and Life Through Time	\$209.99	38	View
978-3540765035	Plate Tectonics: Continental Drift and Mountain Building	\$59.99	43	View
978-0393603088	The Norton Anthology of English Literature, The Major Authors (Volume 1)	\$72.99	5	View
978-0393603095	The Norton Anthology of English Literature, The Major Authors (Volume 2)	\$76.99	10	View
978-1305968479	Psychology Applied to Modern Life: Adjustment in the 21st Century	\$154.99	46	View

MERNABOOK

Search

[My Account](#)
0

≡ Search by Subject
Home
Shop
Cart
Checkout
Find Order
Dashboard
Help

INVENTORY

- [Dashboard](#)
- [Account Details](#)
- [Orders](#)
- Product**
- [Statistic](#)
- [Security](#)
- [Logout](#)

Back to Inventory

ISBN	Price	Quantity	
123456789	120.99	12	
Title			
Testing			
Description			
Author			
Publisher	Publication Year	Edition	Subject
Image URL		Rating	Rating #
		0	0

+ Add Product

MERNABOOK

Search

[My Account](#)
0

≡ Search by Subject
Home
Shop
Cart
Checkout
Find Order
Dashboard
Help

INVENTORY

- [Dashboard](#)
- [Account Details](#)
- [Orders](#)
- Product**
- [Statistic](#)
- [Security](#)
- [Logout](#)

+ Add new Product

Export Data

ISBN	Title	Price	Quantity	Action	
Textbook	123456789	Testing	\$120.99	12	View
	978-0133591620	Modern Operating Systems	\$65.99	10	View
	978-0132350884	Clean Code: A Handbook of Agile Software Craftsman	\$39.99	23	View
	978-0262033048	Introduction to Algorithms	\$79.99	35	View

MERNABOOK

Search for textbooks by title, author, etc.

My Account 0

≡ Search by Subject

Home Shop Cart Checkout Find Order Dashboard Help

≡ Dashboard

Account Details

Orders

Product

Statistic

Security

Logout

INVENTORY

+ Add new Product Export Data

ISBN: 123456789 Price: 20.99 Quantity: 12

Title: Testing for Edit

Description: Added image, edited title, edited price

HTML Formatting Preview

Author:

Publisher: Publish. Year: Edition:

Subject: Rating: Rating #:

Image URL: <https://i.imgur.com/BnEnYcE.jpg>

Show Listing: Show Hide

Update item Delete item

MERNABOOK

Search for textbooks by title, author, etc.

My Account 0

≡ Search by Subject

Home Shop Cart Checkout Find Order Dashboard Help

≡ Dashboard

Account Details

Orders

Product

Statistic

Security

Logout

INVENTORY

+ Add new Product Export Data

tes

All Subjects All Prices Sort By

ISBN	Title	Price	Quantity	Action
123456789	Testing for Edit	\$20.99	12	View

1.6 EMAIL NOTIFICATION

Name of Use Case	Email Notifications - Users receive email notifications for order receipts and updates.
Pre-Conditions	User places an order on the website. User has provided a valid email address during checkout.
Post-Conditions	User receive email notifications for order receipts and updates.
Events Flow	<ol style="list-style-type: none"> Customer places an order on the website. Upon successful order placement, the system triggers an email notification to the user's email address. The email contains an order receipt with details such as order number, items purchased, total amount, and shipping information. If there are any changes to the customer order (e.g., order status update), the system triggers an email notification to inform the customer . The email contains details of the changes made to the order and any actions required from the customer (e.g., confirming the changes, updating payment information).
Alternate Flow and Exceptions	If the user's email address is invalid or undeliverable, the system logs the error and does not send the email notification.

