

main\_test

Group 25

## 1. Create account

**Objective:** Allow user to create an account.

**Arrange:** Open account creation page.

**Act:** Fill in user information (username, password).

**Assert:** If the user doesn't already exist and the password is valid, the user should be created, logged in, and redirected to the account details page.

1.1. Create account (Invalid password)

```
ExpectedOutput:
  Message: Invalid account information
  Page: /account/create
InitialState:
  LoggedInUser: null
  Page: /account/create
InputData:
  first_name: John
  last_name: Smith
  password: ''
  username: john
Name: Invalid password
```

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>John</div><div>Smith</div><div>john</div><div>Password</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Invalid account information (password must be at least 6 characters long).</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>

1.2. Create account (Invalid username)

```
ExpectedOutput:
  Message: Invalid account information
  Page: /account/create
InitialState:
  LoggedInUser: null
  Page: /account/create
InputData:
  first_name: John
  last_name: Smith
  password: password
  username: john!
Name: Invalid username
```

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>John</div><div>Smith</div><div>john!</div><div>*****</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Invalid account information (username must only contain lowercase letters, numbers, dots, and underscores).</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>

1.3. Create account (Invalid username)

```
ExpectedOutput:
  Message: Invalid account information
  Page: /account/create
InitialState:
  LoggedInUser: null
  Page: /account/create
InputData:
  first_name: John
  last_name: Smith
  password: password
  username: john smith
Name: Invalid username
```

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>John</div><div>Smith</div><div>john smith</div><div>*****</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Invalid account information (username must only contain lowercase letters, numbers, dots, and underscores).</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>

1.4. Create account (Duplicate username)

```
ExpectedOutput:
  Message: Username already exists
  Page: /account/create
InitialState:
  LoggedInUser: null
  Page: /account/create
InputData:
  first_name: Patrick
  last_name: Smith
  password: password
  username: patrick
Name: Duplicate username
```

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>Patrick</div><div>Smith</div><div>patrick</div><div>*****</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Username already exists.</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>

1.5. Create account (Valid)

ExpectedOutput:

Message: Account created  
Page: /account

InitialState:

LoggedInUser: null  
Page: /account/create

InputData:

first\_name: John  
last\_name: Smith  
password: password  
username: john

Name: Valid

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>First Name</div><div>Last Name</div><div>Username</div><div>Password</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div>Create Account</div><div><div>John</div><div>Smith</div><div>john</div><div>*****</div><div>Create Account</div></div></div>	<div><div>RestaurantsMyOrdersMyAccount</div><div>Log Out (John)</div><div>Account created.</div><div><div>Account</div><div>General</div><div><div>First Name</div><div>John</div><div>Last Name</div><div>Smith</div><div>Password</div><div>New password</div></div><div><div>Billing Information</div><div><div>Address</div><div>Card Number</div><div>Card Expiry</div><div>Card Code</div></div><div>Save</div></div></div></div>

## 2. Modify account

**Objective:** Allow user to change account details.

**Arrange:** Open the modify account page (it will contain the existing information other than the password and card information).

**Act:** Fill in the new password, credit card (optional), and/or mailing address (optional).

**Assert:** If the information is valid (the password and card information can be empty, or be a new password), it should be updated and the user should be redirected back to the homepage.



2.1. Modify account (Valid password change)

ExpectedOutput:

Message: Account updated  
Page: /account

InitialState:

LoggedInUser: patrick  
Page: /account

InputData:

address: 123 Main St, Kingston, Ontario, Canada A1B 2C3  
cardcode: '123'  
cardexpiry: 08/26  
cardnumber: '2222420000001113'  
firstname: Patrick  
lastname: Gaskin  
password: password1

Name: Valid password change

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div></div> <div><div>Account</div><div><div>General</div><div>First Name</div><div>Patrick</div><div>Last Name</div><div>Gaskin</div><div>Password</div><div>New password</div><div>Billing Information</div><div>Address</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>Card Number</div><div>2222420000001113</div><div>Card Expiry</div><div>08/26</div><div>Card Code</div><div>123</div><div>Save</div></div></div>	<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div></div> <div><div>Account</div><div><div>General</div><div>First Name</div><div>Patrick</div><div>Last Name</div><div>Gaskin</div><div>Password</div><div>*****</div><div>Billing Information</div><div>Address</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>Card Number</div><div>2222420000001113</div><div>Card Expiry</div><div>08/26</div><div>Card Code</div><div>123</div><div>Save</div></div></div>	<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div></div> <div>Account updated.</div> <div><div>Account</div><div><div>General</div><div>First Name</div><div>Patrick</div><div>Last Name</div><div>Gaskin</div><div>Password</div><div>New password</div><div>Billing Information</div><div>Address</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>Card Number</div><div>2222420000001113</div><div>Card Expiry</div><div>08/26</div><div>Card Code</div><div>123</div><div>Save</div></div></div>

2.2. Modify account (Invalid card information change)

```
ExpectedOutput:
  Message: Invalid card information
  Page: /account
InitialState:
  LoggedInUser: patrick
  Page: /account
InputData:
  address: 123 Main St, Kingston, Ontario, Canada A1B 2C3
  cardcode: 123
  cardexpiry: 99/99
  cardnumber: 1
  firstname: Patrick
  lastname: Gaskin
  password: ''
Name: Invalid card information change
```

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div></div> <div><div>Account</div><div><div>General</div><div><div>First Name</div><div>Patrick</div></div><div><div>Last Name</div><div>Gaskin</div></div><div><div>Password</div><div>New password</div></div></div><div><div>Billing Information</div><div><div>Address</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div></div><div><div>Card Number</div><div>2222420000001113</div></div><div><div>Card Expiry</div><div>08/26</div></div><div><div>Card Code</div><div>123</div></div><div>Save</div></div></div>	<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div></div> <div><div>Account</div><div><div>General</div><div><div>First Name</div><div>Patrick</div></div><div><div>Last Name</div><div>Gaskin</div></div><div><div>Password</div><div>New password</div></div></div><div><div>Billing Information</div><div><div>Address</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div></div><div><div>Card Number</div><div>1</div></div><div><div>Card Expiry</div><div>99/99</div></div><div><div>Card Code</div><div>123</div></div><div>Save</div></div></div>	<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div></div> <div><div>Invalid card information (invalid credit card number).</div><div><div>Account</div><div><div>General</div><div><div>First Name</div><div>Patrick</div></div><div><div>Last Name</div><div>Gaskin</div></div><div><div>Password</div><div>New password</div></div></div><div><div>Billing Information</div><div><div>Address</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div></div><div><div>Card Number</div><div>2222420000001113</div></div><div><div>Card Expiry</div><div>08/26</div></div><div><div>Card Code</div><div>123</div></div><div>Save</div></div></div></div>

2.3. Modify account (Valid card information and password change)

ExpectedOutput:

Message: Account updated  
Page: /account

InitialState:

LoggedInUser: patrick  
Page: /account

InputData:

address: 123 Main St, Kingston, Ontario, Canada A1B 2C3  
cardcode: 123  
cardexpiry: 09/26  
cardnumber: 2223000048410010  
firstname: Patrick  
lastname: Gaskin  
password: password1

Name: Valid card information and password change

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div><div>Account</div><div><div>General</div><div>First NamePatrick</div><div>Last NameGaskin</div><div>PasswordNew password</div><div>Billing Information</div><div>Address123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>Card Number2222420000001113</div><div>Card Expiry08/26</div><div>Card Code123</div><div>Save</div></div></div>	<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div><div>Account</div><div><div>General</div><div>First NamePatrick</div><div>Last NameGaskin</div><div>Password</div><div>Billing Information</div><div>Address123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>Card Number2223000048410010</div><div>Card Expiry09/26</div><div>Card Code123</div><div>Save</div></div></div>	<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div><div>Account updated.</div><div>Account</div><div><div>General</div><div>First NamePatrick</div><div>Last NameGaskin</div><div>PasswordNew password</div><div>Billing Information</div><div>Address123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>Card Number2223000048410010</div><div>Card Expiry09/26</div><div>Card Code123</div><div>Save</div></div></div>

### 3. Log in

**Objective:** Authenticate a user to provide them access to the application.

**Arrange:** Open the account login page.

**Act:** Fill in login information (e.g., username, password) and click log in.

**Assert:** If the login information is valid, the user should be logged in and redirected to the homepage.

3.1. Log in (Incorrect username)

ExpectedOutput:

Message: User does not exist  
Page: /account/login

InitialState:

LoggedInUser: null  
Page: /account/login

InputData:

password: password  
username: user

Name: Incorrect username

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div><div>Log In</div><div>Username</div><div>Password</div><div>Log In</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div><div>Log In</div><div>user</div><div>*****</div><div>Log In</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div><div>User does not exist.</div><div>Log In</div><div>Username</div><div>Password</div><div>Log In</div><div>Create Account</div></div></div>

3.2. Log in (Incorrect password)

ExpectedOutput:

Message: Incorrect password  
Page: /account/login

InitialState:

LoggedInUser: null  
Page: /account/login

InputData:

password: dummy  
username: patrick

Name: Incorrect password

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div><div>Log In</div><div>Username</div><div>Password</div><div>Log In</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div><div>Log In</div><div>patrick</div><div>****</div><div>Log In</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div><div>Incorrect password.</div><div>Log In</div><div>Username</div><div>Password</div><div>Log In</div><div>Create Account</div></div></div>

3.3. Log in (Success)

```
ExpectedOutput:
  LoggedInUser: patrick
  Page: /restaurants
InitialState:
  LoggedInUser: null
  Page: /account/login
InputData:
  password: password
  username: patrick
Name: Success
```

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div><div>Log In</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>Log In</div><div><div>patrick</div><div>*****</div><div>Log In</div><div>Create Account</div></div></div>	<div><div>Restaurants</div><div>My Orders</div><div>My Account</div><div>Log Out (Patrick)</div><div><div>Restaurants</div><div>My Restaurant</div><div>Your Restaurant</div><div>Add Restaurant</div><div>Name</div><div>Create</div></div></div>

#### 4. Log out

**Objective:** Allow user to log out from the application.

**Arrange:** Open any page and click log out.

**Act:** N/A.

**Assert:** The user should be logged out and redirected to the login page.



4.1. Log out (Success)

ExpectedOutput:  
    LoggedInUser: null  
    Page: /restaurants  
InitialState:  
    LoggedInUser: patrick  
    Page: /account/logout  
Name: Success

TEST PASSED

InitialState	InputData	Output
<div><div>Restaurants</div><div>Log In</div><div><div>Restaurants</div><div><div><div>My Restaurant</div><div>Your Restaurant</div></div></div></div></div>		<div><div>Restaurants</div><div>Log In</div><div><div>Restaurants</div><div><div><div>My Restaurant</div><div>Your Restaurant</div></div></div></div></div>
N/A		

## 5. List customer orders

**Objective:** Allow user to view orders.

**Arrange:** Open the homepage and click the orders button.

**Act:** N/A.

**Assert:** A summary (date, restaurant, total, status) of orders for the customer should be shown.

5.1. List customer orders (List customer orders)

```
ExpectedOutput:
  VisibleOrderIDs:
    - 2
InitialState:
  LoggedInUser: patrick
  Page: /orders
Name: List customer orders
```

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div><div><div>My Orders</div><div><div>My Restaurant #2</div><div>PAID</div><div>2023-10-04 20:19:32</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>\$3.15</div></div></div></div>		<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div><div><div>My Orders</div><div><div>My Restaurant #2</div><div>PAID</div><div>2023-10-04 20:19:32</div><div>123 Main St, Kingston, Ontario, Canada A1B 2C3</div><div>\$3.15</div></div></div></div>
N/A		

**6. List restaurants**

**Objective:** Show all non-deleted restaurants on the app.

**Arrange:** Open the homepage.

**Act:** Click the restaurants button.

**Assert:** All non-deleted restaurants should be listed. There should also be a new restaurant button.

6.1. List restaurants (Display list of restaurants)

```
ExpectedOutput:
  VisibleRestaurantIDs:
    - 1
    - 2
InitialState:
  LoggedInUser: patrick
  Page: /restaurants
Name: Display list of restaurants
```

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div></div></div>		<div><div>RestaurantsMy OrdersMy Account</div><div>Log Out (Patrick)</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div></div></div>
N/A		

7. View restaurant

**Objective:** Show restaurant information.

**Arrange:** Open the restaurants page and click on a restaurant.

**Act:** N/A.

**Assert:** Restaurant information and a preview of the menu items should be displayed. If the user is the owner, there should also be an employee list (with a remove button for each employee and a username input and add employee button), and the restaurant plus all menu items should have editable fields with a save/remove button, plus fields and a button to add a new menu item. If the user is an employee, there should be a section with all paid and accepted orders listed (not cancelled, pending, or delivered).

7.1. View restaurant (Customer+Owner)

ExpectedOutput:

```
RestaurantName: My Restaurant
VisibleButtons:
- restaurant:order
- restaurant:delete
- restaurant:update
- employee:new:add
- employee:qays:remove
- item:new:add
- item:2:delete
- item:2:update
VisibleMenuItems:
- Tea
- Pop
- Water
InitialState:
  LoggedInUser: patrick
  Page: /restaurants/1
Name: Customer+Owner
```

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Patrick)

My Restaurant

My Restaurant

Rename

Delete Restaurant

Create Order

Owner: Employees

qays

Add

Menu

Tea

\$1.20

Save

Delete

Pop

\$1.10

Save

Delete

Water

\$1.00

Save

Delete

Item Name

\$0.00

Add

InputData

Output

RestaurantsMy OrdersMy AccountLog Out (Patrick)

My Restaurant

My Restaurant

Rename

Delete Restaurant

Create Order

Owner: Employees

qays

Add

Menu

Tea

\$1.20

Save

Delete

Pop

\$1.10

Save

Delete

Water

\$1.00

Save

Delete

Item Name

\$0.00

Add

N/A

7.2. View restaurant (Customer+Employee)

ExpectedOutput:

RestaurantName: My Restaurant  
VisibleButtons:  
- restaurant:order  
- order:2:accept  
- order:1:deliver  
VisibleMenuItems:  
- Tea  
- Pop  
- Water  
VisibleOrderIDs:  
- 1  
- 2

InitialState:  
  LoggedInUser: qays  
  Page: /restaurants/1  
Name: Customer+Employee

TEST PASSED

InitialState

InputData

Output

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #1  
ACCEPTED  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
[Deliver] [Details]

Order #2  
PAID  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
[Accept] [Details]

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #1  
ACCEPTED  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
[Deliver] [Details]

Order #2  
PAID  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
[Accept] [Details]

N/A



7.3. View restaurant (Customer)

ExpectedOutput:

RestaurantName: My Restaurant  
VisibleButtons:  
- restaurant:order  
VisibleMenuItems:  
- Tea  
- Pop  
- Water

InitialState:

LoggedInUser: jeff  
Page: /restaurants/1

Name: Customer

TEST PASSED

InitialState

RestaurantsMy OrdersMy Account

Log Out (Jeff)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

InputData

Output

RestaurantsMy OrdersMy Account

Log Out (Jeff)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

N/A

## 8. New order

**Objective:** Allow user to create a new order.

**Arrange:** Go to a restaurant page.

**Act:** Click new order.

**Assert:** The order page for a new pending order should be displayed with a list of available menu items and the current quantity (all zero).

8.1. New order (Valid new order)

ExpectedOutput:

Page: /orders/4  
VisibleButtons:  
- order:pay  
- order:cancel

InitialState:

LoggedInUser: jeff  
Page: /restaurants/1

InputData:

action: restaurant:order  
Name: Valid new order

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Jeff)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

InputData

RestaurantsMy OrdersMy AccountLog Out (Jeff)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Output

RestaurantsMy OrdersMy AccountLog Out (Jeff)

My Restaurant #4

Submit OrderCancel Order

Tea	\$1.20	-	0	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

## 9. Add/remove item in order

**Objective:** Allow user to add item to order.

**Arrange:** Open the order page for a pending order.

**Act:** Adds item to order.

**Assert:** The item quantity should be increased or decreased.

9.1. Add/remove item in order (Add)

ExpectedOutput:  
  OrderItems:  
    - Tea=1  
    - Pop=1  
    - Water=0  
  Page: /orders/3  
InitialState:  
  LoggedInUser: qays  
  Page: /orders/3  
InputData:  
  action: item:4:add  
Name: Add

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

InputData

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

Output

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	1	+
Water	\$1.00	-	0	+

9.2. Add/remove item in order (Remove)

```
ExpectedOutput:
  OrderItems:
    - Tea=0
    - Pop=0
    - Water=0
  Page: /orders/3
InitialState:
  LoggedInUser: qays
  Page: /orders/3
InputData:
  action: item:2:subtract
Name: Remove
```

TEST PASSED

InitialState

RestaurantsMy OrdersMy Account

Log Out (Qays)

My Restaurant #3

Submit Order

Cancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

InputData

RestaurantsMy OrdersMy Account

Log Out (Qays)

My Restaurant #3

Submit Order

Cancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

Output

RestaurantsMy OrdersMy Account

Log Out (Qays)

My Restaurant #3

Submit Order

Cancel Order

Tea	\$1.20	-	0	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

9.3. Add/remove item in order (Invalid)

```
ExpectedOutput:
  OrderItems:
    - Tea=1
    - Pop=0
    - Water=0
  Page: /orders/3
InitialState:
  LoggedInUser: qays
  Page: /orders/3
InputData:
  force_action: item:6:add
Name: Invalid
```

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

InputData

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

FORCED ACTION: item:6:add

Output

RestaurantsMy OrdersMy AccountLog Out (Qays)

Bad action.

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

10. Submit order

**Objective:** Allow user to submit an order.

**Arrange:** Open the order page for a pending order.

**Act:** Press the submit order button.

**Assert:** If the user has valid payment and mailing information, all selected items are not deleted, and the payment is successful, the order state should now be submitted, and the order page should show the order status and summary instead of the available menu items.



10.1. Submit order (Valid)

```
ExpectedOutput:
  Message: Order submitted
  Page: /orders/3
  VisibleButtons:
    - order:cancel
InitialState:
  LoggedInUser: qays
  Page: /orders/3
InputData:
  action: order:pay
Name: Valid
```

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

InputData

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant #3

Submit OrderCancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

Output

RestaurantsMy OrdersMy AccountLog Out (Qays)

Order submitted.

My Restaurant #3

Cancel OrderAccept

Tea	1
-----	---

## 11. Cancel order

**Objective:** Allow the user to cancel an order.

**Arrange:** Open the order page page for a paid or pending (but not accepted or delivered).

**Act:** Press the cancel order button.

**Assert:** If the order was in the paid or pending state, the order should now be in the cancelled state and the page should reflect that.

11.1. Cancel order (Invalid)

ExpectedOutput:

Message: Bad action  
OrderStatus: ACCEPTED  
Page: /orders/1

InitialState:

LoggedInUser: jeff  
Page: /orders/1

InputData:

force\_action: order:cancel

Name: Invalid

TEST PASSED

InitialState

RestaurantsMy OrdersMy Account

Log Out (Jeff)

My Restaurant #1

Tea	1
Slushie	5

InputData

RestaurantsMy OrdersMy Account

Log Out (Jeff)

My Restaurant #1

Tea	1
Slushie	5
FORCED ACTION: order:cancel	

Output

RestaurantsMy OrdersMy Account

Log Out (Jeff)

Bad action.

My Restaurant #1

Tea	1
Slushie	5

11.2. Cancel order (Valid)

```
ExpectedOutput:
  Message: Order cancelled
  OrderStatus: CANCELLED
  Page: /orders/2
InitialState:
  LoggedInUser: patrick
  Page: /orders/2
InputData:
  action: order:cancel
Name: Valid
```

TEST PASSED

InitialState

RestaurantsMy OrdersMy Account

Log Out (Patrick)

My Restaurant #2

Cancel Order

Pop	4
Water	8

InputData

RestaurantsMy OrdersMy Account

Log Out (Patrick)

My Restaurant #2

Cancel Order

Pop	4
Water	8

Output

RestaurantsMy OrdersMy Account

Log Out (Patrick)

Order cancelled.

My Restaurant #2

Pop	4
Water	8

11.3. Cancel order (Valid)

```
ExpectedOutput:
  Message: Order cancelled
  OrderStatus: CANCELLED
  Page: /orders/3
InitialState:
  LoggedInUser: qays
  Page: /orders/3
InputData:
  action: order:cancel
Name: Valid
```

TEST PASSED

InitialState

RestaurantsMy OrdersMy Account

Log Out (Qays)

My Restaurant #3

Submit Order

Cancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

InputData

RestaurantsMy OrdersMy Account

Log Out (Qays)

My Restaurant #3

Submit Order

Cancel Order

Tea	\$1.20	-	1	+
Pop	\$1.10	-	0	+
Water	\$1.00	-	0	+

Output

RestaurantsMy OrdersMy Account

Log Out (Qays)

Order cancelled.

My Restaurant #3

Tea

1

## 12. Create restaurant

**Objective:** Allow owners to add restaurant on the app.

**Arrange:** Go to the restaurants.

**Act:** Fill in a restaurant name and press add.

**Assert:** The user should be redirected to the restaurants page, and the new restaurant should be listed.

12.1. Create restaurant (Invalid)

```
ExpectedOutput:
  Message: must not be blank
  Page: /restaurants
InitialState:
  LoggedInUser: jeff
  Page: /restaurants
InputData:
  name: ''
Name: Invalid
```

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Jeff)</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Jeff)</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Jeff)</div><div><div>restaurant name must not be blank</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div></div></div></div>

12.2. Create restaurant (Valid)

ExpectedOutput:

Message: Restaurant created  
Page: /restaurants  
RestaurantListContainsName:  
- Test

InitialState:

LoggedInUser: jeff  
Page: /restaurants

InputData:

name: Test  
Name: Valid

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Jeff)</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Jeff)</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div><div>Add Restaurant</div><div><div>Test</div><div>Create</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Jeff)</div><div><div>Restaurant created.</div><div><div>Restaurants</div><div><div>My Restaurant</div><div>Your Restaurant</div><div>Test</div><div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div></div></div></div>



**13. Update restaurant**

**Objective:** Allow owners to update the restaurant name.

**Arrange:** Open the page of a restaurant as an owner.

**Act:** Fill in a new name and submit the page.

**Assert:** The user should be redirected back to the restaurant page, and the name should be updated.

13.1. Update restaurant (Success)

```
ExpectedOutput:
  Page: /restaurants/1
  RestaurantName: Best Restaurant
InitialState:
  LoggedInUser: patrick
  Page: /restaurants/1
InputData:
  action: restaurant:update
  restaurant:name: Best Restaurant
Name: Success
```

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div>Remove</div><div>Add</div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>Best Restaurant</div><div>Best Restaurant</div><div>Owner: Employees</div><div>qays</div><div>Remove</div><div>Add</div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>Best Restaurant</div><div>Best Restaurant</div><div>Owner: Employees</div><div>qays</div><div>Remove</div><div>Add</div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>

#### 14. Delete restaurant

**Objective:** Allow owners to delete the restaurant.

**Arrange:** Open the page of a restaurant as an owner.

**Act:** Press the delete button.

**Assert:** The user should be redirected back to the restaurants list, and the restaurant should no longer be present.

14.1. Delete restaurant (Success)

```
ExpectedOutput:
  NotVisibleRestaurantNames:
    - My Restaurant
  Page: /restaurants
InitialState:
  LoggedInUser: patrick
  Page: /restaurants/1
InputData:
  action: restaurant:delete
Name: Success
```

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div>Remove</div><div>Add</div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div>Remove</div><div>Add</div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>Restaurants</div><div>Your Restaurant</div><div>Add Restaurant</div><div><div>Name</div><div>Create</div></div></div></div>

## 15. Add employee

**Objective:** Add new employee to restaurant.

**Arrange:** Open the page of a restaurant as an owner.

**Act:** Fill in a valid username for a new employee and press the add employee button.

**Assert:** If the username exists, the user should be redirected back to the restaurant page and the new employee should be added.

15.1. Add employee (Invalid)

ExpectedOutput:

Message: user does not exist  
Page: /restaurants/1  
VisibleEmployeeUsernames:  
- qays

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: employee:new:add  
employee:new:username: sdfsd

Name: Invalid

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div><div>Menu</div><div><div>Tea<div>\$1.20</div><div>Save</div><div>Delete</div></div><div>Pop<div>\$1.10</div><div>Save</div><div>Delete</div></div><div>Water<div>\$1.00</div><div>Save</div><div>Delete</div></div><div>Item Name<div>\$0.00</div><div>Add</div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays<div>Remove</div><div>sdfsd<div>Add</div></div></div><div>Menu</div><div><div>Tea<div>\$1.20</div><div>Save</div><div>Delete</div></div><div>Pop<div>\$1.10</div><div>Save</div><div>Delete</div></div><div>Water<div>\$1.00</div><div>Save</div><div>Delete</div></div><div>Item Name<div>\$0.00</div><div>Add</div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>user does not exist</div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div><div>Menu</div><div><div>Tea<div>\$1.20</div><div>Save</div><div>Delete</div></div><div>Pop<div>\$1.10</div><div>Save</div><div>Delete</div></div><div>Water<div>\$1.00</div><div>Save</div><div>Delete</div></div><div>Item Name<div>\$0.00</div><div>Add</div></div></div></div></div>

15.2. Add employee (Valid)

ExpectedOutput:

Page: /restaurants/1  
VisibleEmployeeUsernames:  
- qays  
- jeff

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: employee:new:add  
employee:new:username: jeff

Name: Valid

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div></div><div><div></div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div></div><div><div>jeff</div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>jeff<div>Remove</div></div><div><div>qays</div><div>Remove</div></div><div><div></div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div>

## 16. Remove employee

**Objective:** Remove employee from restaurant.

**Arrange:** Open the page of a restaurant as an owner.

**Act:** Press the remove employee button beside an employee.

**Assert:** Check that employee was removed.



16.1. Remove employee (Success)

ExpectedOutput:

Page: /restaurants/1  
VisibleEmployeeUsernames: []

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: employee:qays:remove

Name: Success

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div></div><div><div></div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div></div><div><div></div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div><div></div><div>Add</div></div><div><div>Menu</div><div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div></div>

## 17. Add menu item

**Objective:** Allow owners to add menu items.

**Arrange:** Open the page of a restaurant as an owner.

**Act:** Fill in the name and price for a new menu item, and press the add item button.

**Assert:** If the information provided is valid, the user should be redirected back to the restaurant page and the item should be added to the menu.

17.1. Add menu item (Valid)

ExpectedOutput:

Page: /restaurants/1  
VisibleMenuItems:  
- Tea  
- Pop  
- Water  
- Smoothie

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: item:new:add  
item:new:name: Smoothie  
item:new:price: 3.75

Name: Valid

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Smoothie</div><div>3.75</div><div>Add</div></div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div><div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Smoothie</div><div>\$3.75</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div></div></div>

17.2. Add menu item (Invalid)

```
ExpectedOutput:
  Message: invalid price
  Page: /restaurants/1
  VisibleMenuItems:
    - Tea
    - Pop
    - Water
InitialState:
  LoggedInUser: patrick
  Page: /restaurants/1
InputData:
  action: item:new:add
  item:new:name: dummy
  item:new:price: -3.75
Name: Invalid
```

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Patrick)

My Restaurant

My Restaurant

RenameDelete RestaurantCreate Order

Owner: Employees

qaysRemove

Add

Menu

Tea	\$1.20	Save	Delete
Pop	\$1.10	Save	Delete
Water	\$1.00	Save	Delete
Item Name	\$0.00	Add	

InputData

RestaurantsMy OrdersMy AccountLog Out (Patrick)

My Restaurant

My Restaurant

RenameDelete RestaurantCreate Order

Owner: Employees

qaysRemove

Add

Menu

Tea	\$1.20	Save	Delete
Pop	\$1.10	Save	Delete
Water	\$1.00	Save	Delete
dummy	-3.75	Add	

Output

RestaurantsMy OrdersMy AccountLog Out (Patrick)

invalid price

My Restaurant

My Restaurant

RenameDelete RestaurantCreate Order

Owner: Employees

qaysRemove

Add

Menu

Tea	\$1.20	Save	Delete
Pop	\$1.10	Save	Delete
Water	\$1.00	Save	Delete
Item Name	\$0.00	Add	

17.3. Add menu item (Invalid)

ExpectedOutput:

Message: invalid price  
Page: /restaurants/1  
VisibleMenuItems:  
- Tea  
- Pop  
- Water

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: item:new:add  
item:new:name: dummy  
item:new:price: one dollar

Name: Invalid

CHECK FAILURE: Message('invalid price') - incorrect message ‘could not convert string to float: 'one dollar’

TEST FAILED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div>My Restaurant</div><div><div>My RestaurantRenameDelete RestaurantCreate Order</div><div>Owner: Employees<div>qaysRemove</div><div>Add</div></div><div>Menu<div><div>Tea\$1.20SaveDelete</div><div>Pop\$1.10SaveDelete</div><div>Water\$1.00SaveDelete</div><div>Item Name\$0.00Add</div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div>My Restaurant</div><div><div>My RestaurantRenameDelete RestaurantCreate Order</div><div>Owner: Employees<div>qaysRemove</div><div>Add</div></div><div>Menu<div><div>Tea\$1.20SaveDelete</div><div>Pop\$1.10SaveDelete</div><div>Water\$1.00SaveDelete</div><div>dummyone dollarAdd</div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div>could not convert string to float: '&amp;#39;one dollar&amp;#39;;</div><div>My Restaurant</div><div><div>My RestaurantRenameDelete RestaurantCreate Order</div><div>Owner: Employees<div>qaysRemove</div><div>Add</div></div><div>Menu<div><div>Tea\$1.20SaveDelete</div><div>Pop\$1.10SaveDelete</div><div>Water\$1.00SaveDelete</div><div>Item Name\$0.00Add</div></div></div></div></div>

17.4. Add menu item (Invalid)

ExpectedOutput:

Message: item name  
Page: /restaurants/1  
VisibleMenuItems:  
- Tea  
- Pop  
- Water

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: item:new:add  
item:new:name: ''  
item:new:price: 1.0

Name: Invalid

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div></div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div></div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>1.0</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>item name must not be empty</div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div></div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>

## 18. Update menu item

**Objective:** Allow owner to update menu item names and prices.

**Arrange:** Open the page of the restaurant as an owner.

**Act:** Update the information for a menu item, and press the save button.

**Assert:** If the information provided is valid, the user should be redirected back to the restaurant page and the item should be updated.

18.1. Update menu item (Valid)

ExpectedOutput:

Page: /restaurants/1  
VisibleMenuItems:  
- Tea (special)  
- Pop  
- Water

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: item:2:update  
item:2:name: Tea (special)  
item:2:price: 0.5

Name: Valid

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Patrick)

My Restaurant

My Restaurant

Rename

Delete Restaurant

Create Order

Owner: Employees

qays

Remove

Add

Menu

Tea	\$1.20	Save	Delete
Pop	\$1.10	Save	Delete
Water	\$1.00	Save	Delete
Item Name	\$0.00	Add	

InputData

RestaurantsMy OrdersMy AccountLog Out (Patrick)

My Restaurant

My Restaurant

Rename

Delete Restaurant

Create Order

Owner: Employees

qays

Remove

Add

Menu

Tea (special)	0.5	Save	Delete
Pop	\$1.10	Save	Delete
Water	\$1.00	Save	Delete
Item Name	\$0.00	Add	

Output

RestaurantsMy OrdersMy AccountLog Out (Patrick)

My Restaurant

My Restaurant

Rename

Delete Restaurant

Create Order

Owner: Employees

qays

Remove

Add

Menu

Tea (special)	\$0.50	Save	Delete
Pop	\$1.10	Save	Delete
Water	\$1.00	Save	Delete
Item Name	\$0.00	Add	



18.2. Update menu item (Invalid)

```
ExpectedOutput:
  Message: item name must not be empty
  Page: /restaurants/1
  VisibleMenuItems:
    - Tea
    - Pop
    - Water
InitialState:
  LoggedInUser: patrick
  Page: /restaurants/1
InputData:
  action: item:2:update
  item:2:name: ''
  item:2:price: 1.2
Name: Invalid
```

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div></div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div></div><div>Menu</div><div><div>Item Name</div><div>1.2</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>item name must not be empty</div><div>My Restaurant</div><div>My Restaurant</div><div>Owner: Employees</div><div>qays</div><div></div><div>Menu</div><div><div>Tea</div><div>\$1.20</div><div>Save</div><div>Delete</div></div><div><div>Pop</div><div>\$1.10</div><div>Save</div><div>Delete</div></div><div><div>Water</div><div>\$1.00</div><div>Save</div><div>Delete</div></div><div><div>Item Name</div><div>\$0.00</div><div>Add</div></div></div></div>

**19. Delete menu item**

**Objective:** Allow owner to delete menu items.

**Arrange:** Open the page of the restaurant as an owner.

**Act:** Press the delete button beside a menu item.

**Assert:** Check that menu information is deleted.

19.1. Delete menu item (Valid)

ExpectedOutput:

Page: /restaurants/1  
VisibleMenuItems:  
- Pop  
- Water

InitialState:

LoggedInUser: patrick  
Page: /restaurants/1

InputData:

action: item:2:delete  
Name: Valid

TEST PASSED

InitialState	InputData	Output
<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div></div><div><div>Menu</div><div><div>Tea<div>\$1.20</div><div>Save</div><div>Delete</div></div><div>Pop<div>\$1.10</div><div>Save</div><div>Delete</div></div><div>Water<div>\$1.00</div><div>Save</div><div>Delete</div></div><div>Item Name<div>\$0.00</div><div>Add</div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div></div><div><div>Menu</div><div><div>Tea<div>\$1.20</div><div>Save</div><div>Delete</div></div><div>Pop<div>\$1.10</div><div>Save</div><div>Delete</div></div><div>Water<div>\$1.00</div><div>Save</div><div>Delete</div></div><div>Item Name<div>\$0.00</div><div>Add</div></div></div></div></div>	<div><div>RestaurantsMy OrdersMy AccountLog Out (Patrick)</div><div><div>My Restaurant</div><div><div>My Restaurant</div><div>Rename</div><div>Delete Restaurant</div><div>Create Order</div></div></div><div><div>Owner: Employees</div><div>qays<div>Remove</div><div>Add</div></div></div><div><div>Menu</div><div><div>Pop<div>\$1.10</div><div>Save</div><div>Delete</div></div><div>Water<div>\$1.00</div><div>Save</div><div>Delete</div></div><div>Item Name<div>\$0.00</div><div>Add</div></div></div></div></div>

## 20. Accept restaurant order

**Objective:** Allow employees to update customer orders.

**Arrange:** Open the page of the restaurant as an owner.

**Act:** Press the accept button beside a paid order.

**Assert:** The order status should change to accepted, and the deliver button should appear.

20.1. Accept restaurant order (Success)

ExpectedOutput:  
  Message: Order accepted  
  Page: /restaurants/1  
  VisibleButtons:  
    - order:2:deliver  
InitialState:  
  LoggedInUser: qays  
  Page: /restaurants/1  
InputData:  
  action: order:2:accept  
Name: Success

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #1

ACCEPTED

2023-10-04 20:19:32

123 Main St, Kingston, Ontario, Canada A1B 2C3

DeliverDetails

Order #2

PAID

2023-10-04 20:19:32

123 Main St, Kingston, Ontario, Canada A1B 2C3

AcceptDetails

InputData

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #1

ACCEPTED

2023-10-04 20:19:32

123 Main St, Kingston, Ontario, Canada A1B 2C3

DeliverDetails

Order #2

PAID

2023-10-04 20:19:32

123 Main St, Kingston, Ontario, Canada A1B 2C3

AcceptDetails

Output

RestaurantsMy OrdersMy AccountLog Out (Qays)

Order accepted.

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #1

ACCEPTED

2023-10-04 20:19:32

123 Main St, Kingston, Ontario, Canada A1B 2C3

DeliverDetails

Order #2

ACCEPTED

2023-10-04 20:19:32

123 Main St, Kingston, Ontario, Canada A1B 2C3

DeliverDetails

**21. Deliver restaurant order**

**Objective:** Allow employees to update customer orders.

**Arrange:** Open the page of the restaurant as an owner.

**Act:** Press the deliver button beside an accepted order.

**Assert:** The order should be removed from the list.

21.1. Deliver restaurant order (Success)

ExpectedOutput:  
  Message: Order delivered  
  NotVisibleOrderIDs:  
  - 1  
  Page: /restaurants/1  
InitialState:  
  LoggedInUser: qays  
  Page: /restaurants/1  
InputData:  
  action: order:1:deliver  
Name: Success

TEST PASSED

InitialState

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #1  
ACCEPTED  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
DeliverDetails

Order #2  
PAID  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
AcceptDetails

InputData

RestaurantsMy OrdersMy AccountLog Out (Qays)

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #1  
ACCEPTED  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
DeliverDetails

Order #2  
PAID  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
AcceptDetails

Output

RestaurantsMy OrdersMy AccountLog Out (Qays)

Order delivered.

My Restaurant

Create Order

Menu

Tea	\$1.20
Pop	\$1.10
Water	\$1.00

Employee: Orders

Order #2  
PAID  
2023-10-04 20:19:32  
123 Main St, Kingston, Ontario, Canada A1B 2C3  
AcceptDetails