

Test Plan Commerce Website Developer – Grocery Shopping

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User part

1. Public Interface, before login in
 - (1) Account Controller
 - a) Register:

Expected input	meet all below, except last row
Username	unique, have limitation
Email address	unique, format correct, correct email address
Password	require no less than 8 characters, have limitation
Confirm password	equal password
Expected result	create an account, encrypt password, redirect to the login page, sent confirm email

Unexpected input	meet any one below, except last row
Username	the same, out of limitation
Email address	the same, format wrong, wrong email address
Password	less than 8 characters, out of limitation
Confirm password	not equal to password
Expected result	provide error hint, not create an account

b) Login

Expected input	meet all below, except last row
Email address	have existed in database already
Password	correct
Expected result	redirect to the index page and load the account information, set cookie
Unexpected input	meet any one below, except last row
Email address	haven't existed in database
Password	wrong
Expected result	show the error hint

- c) Forget password:
 - step 1: send link to the password

Expected behavior	meet all below, except last row
Email address	format correct, correct, have existed in database already
Confirm email address	equal to email address
Expected result	send changing email link to this email

Unexpected behavior	meet any one below, except last row
Email address	format wrong, wrong, haven't existed in database
Password	not equal to email address
Expected result	show the error hint

- step 2: change the password

Expected input	meet all below, except last row
Old password	equal to password stored in the database
New password	require no less than 8 characters, have limitation
Confirm new password	equal to new password
Expected result	redirect to the login page, encrypt password and store password

Unexpected input	meet any one below, except last row
Old password	not equal to password stored in the database
New password	less than 8 characters, out of limitation
Confirm new password	not equal to new password
Expected result	show the error hint, didn't change password

(2) Product Controller

- a) Category for products
 - test if showing the whole products of the category
 - click the adding to the shopping cart button

Expected behavior	
Expected result	add the product information to the shopping cart as a guest

- b) Category for dishes:
 - test if showing the whole dishes of the category.
- c) Product(Ingredients):
 - test if showing the detail of one product
 - test if can change the information, like quantity, weight
 - test if adding to the shopping cart and database as a guest account
 - test if providing the related dishes here for the user to choose
- d) Dishes:
 - test if showing the detail of the dishes and provide the ingredients of the dish
 - test if can change the information, like quantity, weight here
 - test if the selected ingredients can be added to the shopping cart together
 - test if storing to the database for a guest
- e) Shopping cart:
 - test if can modify quantity, weight
 - test if can remove products
 - test if can place the order and record the order to the database

(3) Shipping Controller

a) Delivery

Expected input	meet all below, except last row
delivery type choice	required
firstname	format correct
lastname	format correct
delivery address	required, exist
phone	required
email	required
Expected result	store the shipping information

Unexpected input	meet any one below, except last row
delivery type choice	miss
firstname	format wrong
lastname	format wrong
delivery address	miss, wrong address
phone	miss, wrong
email	miss, wrong
Expected result	not store the shipping information

- b) Carryout
 - test if can choose pick-up date, time and location
 - test if can choose packing type
- c) Carpooling
 - test if can choose from different time selections
 - test if can create a group of people reasonably (depending on car type)
 - test if the meeting location set reasonably
- (4) Checkout Controller
 - test if can pay the money with shipping fee
 - test if storing to the database correctly

2. User administration Interface, after login in

(1) Account Controller

- a) Load the account information
 - test if can load the purchased information
 - test if can load personal information
 - test if can load shopping cart information
- d) Change password:
 - test if can modify old password
 - test if can create new password and store to the database correctly
- e) Sign out:
 - test if can redirect the login page

(2) Product Controller: similar as public interface

- a) Category for product:
 - test if showing the whole products of the category
 - test if adding the products to the shopping cart as a user
- b) Category for dishes:
 - test if showing the whole dishes of the category
- c) Product(Ingredients):
 - test if showing the detail of one product
 - test if can change the information, like quantity, weight
 - test if can add to the shopping cart and database as a user account
 - test if provide the related dishes here for the user to choose
- d) Dishes:
 - test if showing the detail of the dishes and provide the ingredients of the dishes
 - test if can change the information, like quantity, weight here
 - test if the selected ingredients can be added to the shopping cart together
 - test if can store to the database for a user
- e) Shopping cart:
 - test if can modify quantity
 - test if can remove products
 - test if can place the order
 - test if can store in the database

(3) Shipping Controller: similar as public interface

- a) Delivery
 - test if can fill the name, delivery address and comment in the form
 - test if different delivery type choice
- b) Carryout

- test if can choose pick-up date, time and location
- test if can choose packing type
- c) Carpooling
 - test if can choose from different selections
 - test if can create a group of people reasonably (depending on car type)
 - test if can set the meeting location reasonably
- (4) Checkout Controller
 - test if can pay the money with shipping fee
 - test if storing to the database correctly

Administrator Part

- (1) Account Controller
 - test if can manage account information
 - test if can send the confirm email manually
- (2) Product Controller
 - test if can manage the order
 - test if can change the quantity, weight and other features of the products
 - test if can add new products and remove old products
 - test if can add new dishes and remove old dishes
 - test if can add, remove, update dish tag on the product
 - test if can place products and dishes into different category
- (3) Shipping Controller
 - test if can change the shipping information
 - test if can change shipping way
 - test if can change the group of people automatically again or manually
- (4) Checkout Controller
 - test if can change the payment information

Developer Part

- set the web framework environment
- test if can connect to the database successfully
- test if can update an existing entry
- test if can create a new entry
- test if can delete an existing entry
- test if can query an existing entry
- test if can deploy the website well