



**University of British Columbia**  
COSC 304: Introduction to Database

# 桜花亭 Sakura Ka Tei

~Authentic Japanese Gastronomy~

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# 1. Introduction

## 1.1 Mission Statement

At Sakura Ka Tei, our mission is to connect food enthusiasts with the rich and diverse culinary tapestry of Japan, right at their fingertips. We are committed to delivering an authentic and seamless experience, allowing customers to explore and savour the finest Japanese flavours from the comfort of their homes. With a dedication to quality, cultural appreciation, and customer satisfaction, we strive to be the preferred platform for those seeking the unparalleled delights of Japanese cuisine. Join us on a culinary journey that celebrates tradition, innovation, and the joy of sharing exceptional food experiences.

## 1.2 Executive Summary

Sakura Ka Tei is an innovative online platform dedicated to bringing the authentic tastes of Japan to the global market. As a premier Japanese food ordering website, we aim to provide customers with a convenient and immersive experience, connecting them with a curated selection of high-quality, traditional, and contemporary Japanese culinary delights.

Our mission is to be the go-to destination for individuals seeking an unparalleled Japanese dining experience from the comfort of their homes. We are committed to facilitating the exploration of Japan's diverse food culture while ensuring ease of access, reliability, and a commitment to authenticity in every order.

With the growing global interest in diverse cuisines and the increasing demand for convenient online food services, Sakura Ka Tei is positioned to tap into a significant market opportunity. The popularity of Japanese cuisine and the desire for authentic food experiences create a favourable environment for our platform's success.

Our commitment to authenticity, a diverse menu, and a user-friendly platform sets us apart from competitors. By forging partnerships with renowned Japanese restaurants and incorporating user feedback, we continuously enhance our offerings to maintain a competitive edge.

Looking ahead, Sakura Ka Tei envisions expanding its reach, diversifying menu options, and incorporating innovative technologies to enhance the overall customer experience. We strive to become synonymous with the global enjoyment of Japanese cuisine, setting the standard for excellence in online food ordering.

In conclusion, Sakura Ka Tei is poised to redefine the way individuals experience Japanese cuisine online, providing a gateway to the rich and diverse flavours of Japan.

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## 2. System Features

Final Overall System Features	Category	Possible Points	Points	Comments / Code Files
<b>Documentation (15 total points)</b>				
Executive Summary (up to 1 page)	Core	2	2	Completed
System Features (2 pages)	Core	2	2	Completed
List of Web and AI sources used	Core	3	3	Completed
Walkthrough with screenshots (up to 15 pages)	Core	8	8	Completed
<b>Hosting (10 total points)</b>				
Running on cloud server	Advanced	10	10	<a href="http://64.23.134.174/shop/index.jsp">http://64.23.134.174/shop/index.jsp</a>
<b>Main/Home Page (up to 14 total points)</b>				
Search for a product by name	Core	1	1	listprod.jsp
Browse products by category	Core	1	1	listprod.jsp
List products (by search/browse)	Core	1	1	listprod.jsp
List products with image	Core	1	1	listprod.jsp
Page header with menu	Basic	1	1	header.jsp
Page header shows current logged in user	Basic	1	1	header.jsp
Dynamic products on page based on sales	Basic	2	2	listprod.jsp
Improved UI (user-friendly, images, etc.)	Basic	2	2	index.jsp
Product recommendation based on user	Advanced	4		
<b>Shopping Cart (up to 8 total points)</b>				
Add to shopping cart	Core	1	1	addcart.jsp, showcart.jsp
View shopping cart	Core	1	1	showcart.jsp
Update quantity (with data validation)	Basic	1	1	showcart.jsp
Remove item from shopping cart	Basic	1	1	showcart.jsp
Improved formatting/UI (e.g. in header bar)	Basic	1	1	header.jsp
Cart stored in database between sessions	Basic	3		
<b>Checkout (up to 9 total points)</b>				
Checkout with customer id	Core	1	1	checkout.jsp, order.jsp
Checkout with payment/shipment info	Basic	2	2	checkout.jsp, order.jsp
Checkout with data validation	Basic	2	2	checkout.jsp, order.jsp

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Multiple shipments per order supported	Advanced	2		Note: Requires DB change.
Calculate taxes/shipping (by items/state)	Advanced	2		Note: Requires DB change.
<b>Product Detail Page (up to 2 total points)</b>				
Product detail page and item description	Core	1	1	product.jsp
Product detail has an image from database	Core	1	1	product.jsp
<b>User Accounts/Login (up to 12 total points)</b>				
Create user account page	Basic	2	2	customer.jsp
Create account with data validation	Basic	2	2	signup.jsp
Edit user account info (address, password)	Basic	2		
Login/logout	Core	1	1	login.jsp, logout.jsp
Register user/Forgot password email	Advanced	4		
Page listing all orders for user	Core	1	1	listorder.jsp
<b>Product Reviews (up to 5 total points)</b>				
Ability to enter a review on a product	Basic	2	2	addreview.jsp, postreview.jsp
Display product review on product detail page	Basic	1	1	product.jsp
Restrict to one review per user on item purchased	Advanced	2	2	message.jsp
<b>Warehouses/Inventory (up to 5 total points)</b>				
Display item inventory by store/warehouse	Basic	2		
Edit item inventory by store/warehouse	Advanced	3		
<b>Administrator Portal (up to 19 total points)</b>				
Secured by login	Core	1	1	login.jsp
List all customers	Core	1	1	admin.jsp
List report showing total sales/orders	Core	1	1	admin.jsp
Report with a graph	Advanced	3		
Add new product	Basic	2		
Update/delete product	Basic	2		
Change order status/ship order	Basic	1		
Upload a photo to file system for product	Advanced	2		
OR: Upload a photo to database for product	Advanced	4		
Database restore with SQL script	Basic	2		
Add/update warehouse, customer	Basic	2		
<b>Database System/General</b>				
Implement some validation using triggers	Advanced	2		
Use AJAX for some pages	Advanced	4		
User interface and navigation/usability		Up to 5		

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<i>Others (your suggestions)</i>		Up to 5		
<b>Total: (out of 50 with maximum of 10 bonus marks. i.e. 60 points out of 50 is max.)</b>			61	

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### 3. Web and AI sources

- ChatGPT: <https://chat.openai.com/share/220ffdbb-e3d0-4868-8a97-fdbf46ffb060>
- ChatGPT: <https://chat.openai.com/share/a35bfe9c-8b9b-4c74-85a1-f05d84330261>
- ChatGPT: <https://chat.openai.com/share/78965458-e150-46ae-96ab-39d7eff61d97>
- ChatGPT: <https://chat.openai.com/share/b2de7939-5c5f-42d9-b8d8-07ed1d0a09c3>
- ChatGPT: <https://chat.openai.com/share/df59e9a1-a929-437d-a45e-5bf0690c213d>
- Color Picker: <https://htmlcolorcodes.com/>
- Font Family: <https://developer.mozilla.org/en-US/docs/Web/CSS/font-family>
- HTML Input Types: [https://www.w3schools.com/html/html\\_form\\_input\\_types.asp](https://www.w3schools.com/html/html_form_input_types.asp)

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## 4. Project Walkthrough

User id: testuser

Password: test

Customer id: 8

User id: Arnold

Password: 304Arnold!

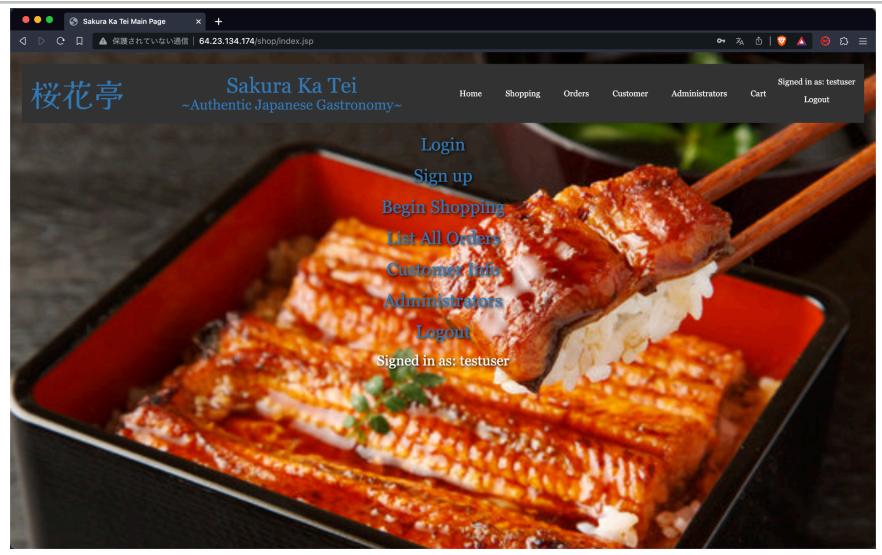
Customer id: 3

Project URL: <http://64.23.134.174/shop/index.jsp>

Load Data: <http://64.23.134.174/shop/loaddata.jsp>

### 1. Main page

index.jsp is the main page of this website. Users may login to their account, create one if they do not have any, start shopping, view previous orders, check their account information, check the metadata. Current logged in user appears on the header and may logout using the logout button.




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## 2. Sign Up

If the user clicks “Sign up”, signup.jsp is shown. This is the page where you can create an account for this webpage. Users will enter first and last name, email address, phone number, address, and username, password for logging in to the system. Email address and phone number are validated in their form. Once the user creates an account, the account is automatically logged in.

The screenshot shows a web browser window titled "Signup Page" with the URL "64.23.134.174/shop/signup.jsp". The page has a header with the logo "Sakura Ka Tei" and the subtitle "Authentic Japanese Gastronomy~". A navigation bar at the top includes links for Home, Shopping, Orders, Customer, Administrators, Cart, and Login. Below the header, a section titled "Enter your information" contains a form with the following fields:

First Name:	<input type="text" value="Test"/>
Last Name:	<input type="text" value="User"/>
Email:	<input type="text" value="ubc@ubc.ca"/>
Phone Number:	<input type="text" value="250869800X"/>
Address:	<input type="text" value="3333 University Way"/>
City:	<input type="text" value="Kelowna"/>
State:	<input type="text" value="BC"/>
Postal Code:	<input type="text" value="V1V 4V7"/>
Country:	<input type="text" value="Canada"/>
Username:	<input type="text" value="testuser"/>
Password:	<input type="password" value="....."/>

A "Create Account" button is located at the bottom right of the form.

## 3. Login / Logout

If users already have an account, they can login using your username and password from login.jsp.

If the user has logged in, he may log out from “Logout” from the main page.

The screenshot shows a web browser window titled "Login Screen" with the URL "64.23.134.174/shop/login.jsp". The page has a header with the logo "Sakura Ka Tei" and the subtitle "Authentic Japanese Gastronomy~". A navigation bar at the top includes links for Home, Shopping, Orders, Customer, Administrators, Cart, and Login. Below the header, a section titled "Please Login to System" contains a form with the following fields:

Username:	<input type="text" value="testuser"/>
Password:	<input type="password" value="....."/>

A "Login" button is located at the bottom right of the form.

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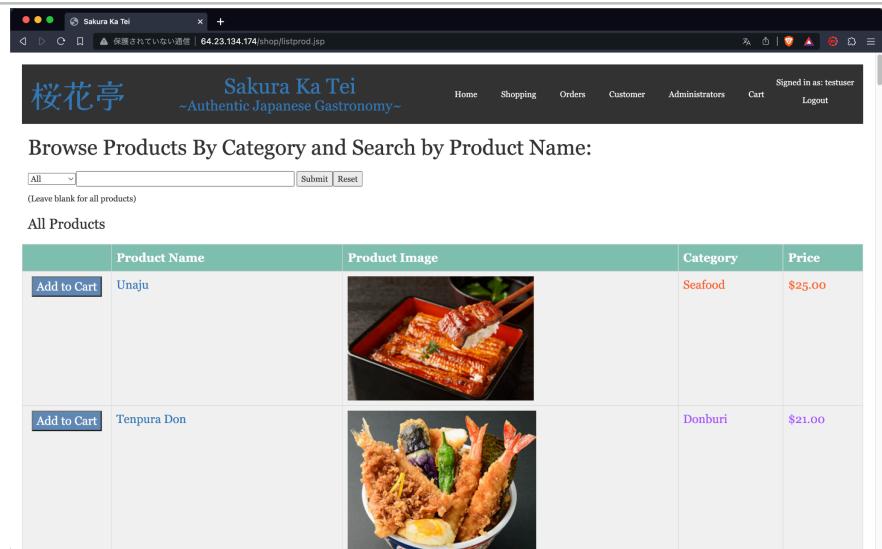
#### 4. Shopping

If the user clicks “Begin Shopping”, listprod.jsp is shown. This is the product page of this website.

Product list contains product name, image, category and price. Users can search for a product by entering the product name, or filter by category. The products are dynamically listed in order of total number of sales.

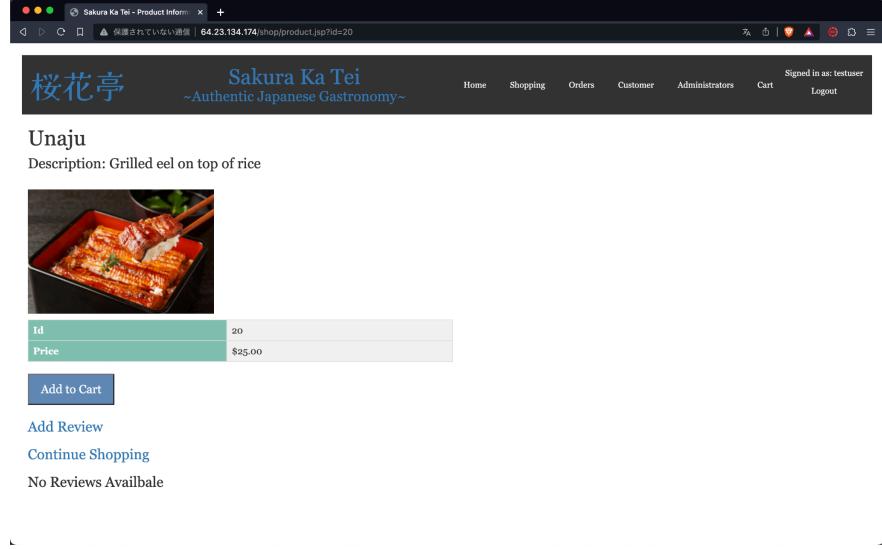
By clicking the “Add to Cart”, the user may add the item to their cart.

If the user clicks the name of the item, detailed information of the item such as description is displayed. User may add it to the cart by clicking “Add to Cart” as well.



The screenshot shows a web browser window for "Sakura Ka Tei". The title bar says "Sakura Ka Tei" and the address bar shows "64.23.134.174/shop/listprod.jsp". The page header includes "Sakura Ka Tei ~Authentic Japanese Gastronomy~" and navigation links for Home, Shopping, Orders, Customer, Administrators, Cart, and Logout. A dropdown menu for "Signed in as: testuser" is open. Below the header is a search bar with a dropdown menu set to "All" and a "Submit" button. A note "(Leave blank for all products)" is below the search bar. The main content area is titled "Browse Products By Category and Search by Product Name:". It displays a table with two rows of products:

	Product Name	Product Image	Category	Price
<a href="#">Add to Cart</a>	Unaju		Seafood	\$25.00
<a href="#">Add to Cart</a>	Tenpura Don		Donburi	\$21.00

The screenshot shows a web browser window for "Sakura Ka Tei - Product Inform". The title bar says "Sakura Ka Tei - Product Inform" and the address bar shows "64.23.134.174/shop/product.jsp?id=20". The page header includes "Sakura Ka Tei ~Authentic Japanese Gastronomy~" and navigation links for Home, Shopping, Orders, Customer, Administrators, Cart, and Logout. A note "Signed in as: testuser" is below the header. The main content area shows the product details for "Unaju":

**Unaju**  
Description: Grilled eel on top of rice

<b>Id</b>	20
<b>Price</b>	\$25.00

[Add to Cart](#)

[Add Review](#)  
[Continue Shopping](#)  
No Reviews Available

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## 5. Order History

If the user clicks “List All Orders”, a list of orders is displayed. If the user is logged in, the list of order history for the corresponding user is displayed. Otherwise, a list of order history for all customers is displayed.

Order Id	Order Date	Customer Id	Customer Name	Total Amount
1	2023-12-01 10:25:55.0	1	Taii Hirano	\$91.50
Product Id	Quantity	Price		
2	3	\$6.50		
17	1	\$22.00		
20	2	\$25.00		
<b>Total</b>	<b>6</b>	<b>\$91.50</b>		
2	2023-12-01 18:00:00.0	2	Yuki Isomura	\$25.00
Product Id	Quantity	Price		
20	1	\$25.00		
<b>Total</b>	<b>1</b>	<b>\$25.00</b>		
3	2023-12-02 03:30:22.0	3	Arnold Anderson	\$89.00
Product Id	Quantity	Price		
...	...	...		

Order Id	Order Date	Customer Id	Customer Name	Total Amount
6	2023-12-09 05:10:56.597	8	Test User	\$75.00
Product Id	Quantity	Price		
20	3	\$25.00		
<b>Total</b>	<b>3</b>	<b>\$75.00</b>		

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## 6. Customer Information

Once the user clicks “Customer Info”, customer.jsp is displayed. This page contains all of the information about the corresponding user which is entered when he signed up.

The screenshot shows a web browser window titled "Customer Page" with the URL "64.23.134.174/shop/customer.jsp". The page header includes the restaurant name "Sakura Ka Tei" and the tagline "Authentic Japanese Gastronomy". The top right corner shows a sign-in message: "Signed in as: testuser". The main content is titled "Customer Profile" and displays a table with the following data:

<b>Id</b>	8
<b>First Name</b>	Test
<b>Last Name</b>	User
<b>Email</b>	ube@ubc.ca
<b>Phone</b>	(350)809-8000
<b>Address</b>	3333 University Way
<b>City</b>	Kelowna
<b>State</b>	BC
<b>Postal Code</b>	V1V 1V7
<b>Country</b>	Canada
<b>User Id</b>	testuser

## 7. Metadata

Once the user clicks “Administrator”, metadata from this website such as sales report and list of customers.

The screenshot shows a web browser window titled "Administrator Page" with the URL "64.23.134.174/shop/admin.jsp". The page header includes the restaurant name "Sakura Ka Tei" and the tagline "Authentic Japanese Gastronomy". The top right corner shows a sign-in message: "Signed in as: testuser". The left side of the page displays the "Administrator Sales Report by Day" table:

Order Date	Total Order Amount
2023-12-1	\$116.50
2023-12-2	\$89.00
2023-12-3	\$357.50
<b>Total</b>	<b>\$563.00</b>

The right side of the page displays the "Customer List" table:

Customer ID	Name
1	Taii Hirano
2	Yuki Isomura
3	Arnold Anderson
4	Bobby Brown
5	Candace Cole
6	Darren Doe
7	Elizabeth Elliott
8	Test User

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## 8. Cart

When a user adds any item to their cart, addcart.jsp is displayed. This page displays the list of items the user added to the cart. Users may update the quantity of each item or remove them.

The screenshot shows a web browser window titled "Your Shopping Cart" with the URL "64.23.134.174/shop/showcart.jsp?update=20&newqty=3". The page header includes the restaurant logo "Sakura Ka Tei" and the tagline "Authentic Japanese Gastronomy". The navigation menu at the top right includes Home, Shopping, Orders, Customer, Administrators, Cart, and Logout, with a note "Signed in as: testuser". Below the header is a table titled "Your Shopping Cart" with the following data:

Product Id	Product Name	Quantity	Price	Subtotal		
20	Unaju	<input type="text" value="3"/>	\$25.00	\$75.00	<a href="#">Remove Item from Cart</a>	<a href="#">Update Quantity</a>
<b>Order Total</b>				\$75.00		

Below the table are two buttons: "Check Out" and "Continue Shopping".

## 9. Checkout

Once the user clicks "Checkout" from the cart, they are required to enter customer ID and password so that the transaction is secured. Users are required to enter their payment information at the same time. Payment information is validated in its form.

The screenshot shows a web browser window titled "Sakura Ka Tei CheckOut Line" with the URL "64.23.134.174/shop/checkout.jsp". The page header includes the restaurant logo "Sakura Ka Tei" and the tagline "Authentic Japanese Gastronomy". The navigation menu at the top right includes Home, Shopping, Orders, Customer, Administrators, Cart, and Logout, with a note "Signed in as: testuser". The main content area displays a message: "Enter your customer id and payment information to complete the transaction:". Below this is a form with the following fields:

CustomerID:	<input type="text" value="8"/>
Password:	<input type="password" value="...."/>
Payment Type:	<input checked="" type="radio"/> VISA <input type="radio"/> Mastercard <input type="radio"/> PayPal <input type="radio"/> Apple Pay
Payment Number:	<input type="text" value="1111222233334444"/>
Expiry Date:	<input type="text" value="2706"/>
<input type="button" value="Reset"/> <input type="button" value="Submit"/>	

Email Address:

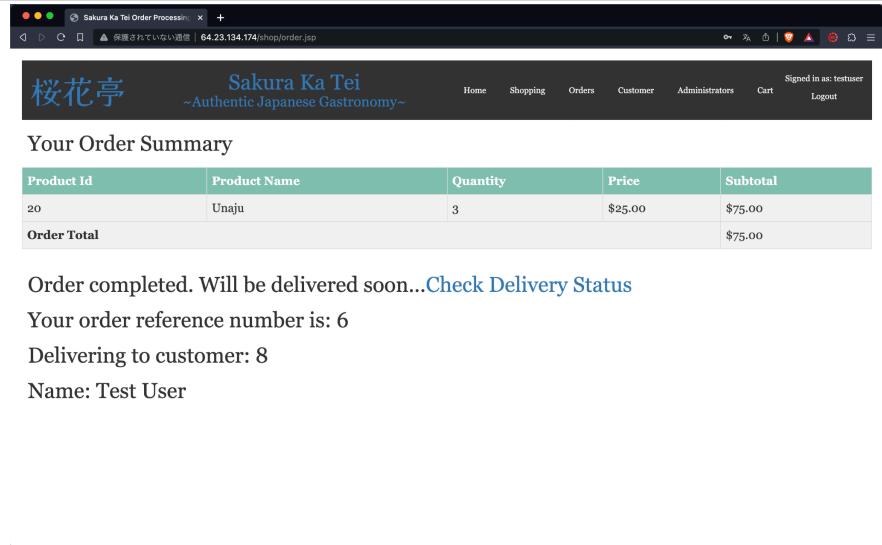
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## 10. Order Summary

Once the transaction is completed, the order summary is displayed.

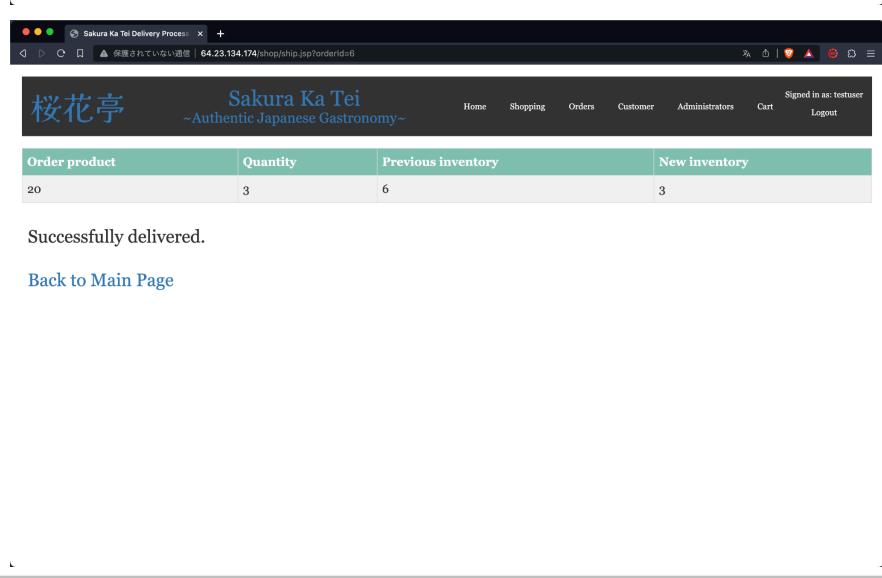
If the user clicks “Check Delivery Status”, the user may check whether the product is shipped from the warehouse. In case there are not enough items stored, it displays an error message.



The screenshot shows a web browser window titled "Sakura Ka Tei Order Process" with the URL "64.23.134.174/shop/order.jsp". The page header includes the restaurant logo "Sakura Ka Tei" and the tagline "Authentic Japanese Gastronomy". It also shows a sign-in message "Signed in as: testuser" and navigation links for Home, Shopping, Orders, Customer, Administrators, Cart, and Logout.

Product Id	Product Name	Quantity	Price	Subtotal
20	Unaju	3	\$25.00	\$75.00
<b>Order Total</b>				\$75.00

Below the table, the message "Order completed. Will be delivered soon...[Check Delivery Status](#)" is displayed. Other information shown includes the order reference number (6), the customer ID (8), and the name of the test user.

The screenshot shows a web browser window titled "Sakura Ka Tei Delivery Process" with the URL "64.23.134.174/shop/ship.jsp?orderId=6". The page header is identical to the previous one. It shows a table of order details:

Order product	Quantity	Previous inventory	New inventory
20	3	6	3

The message "Successfully delivered." is displayed below the table. A link "Back to Main Page" is present at the bottom.

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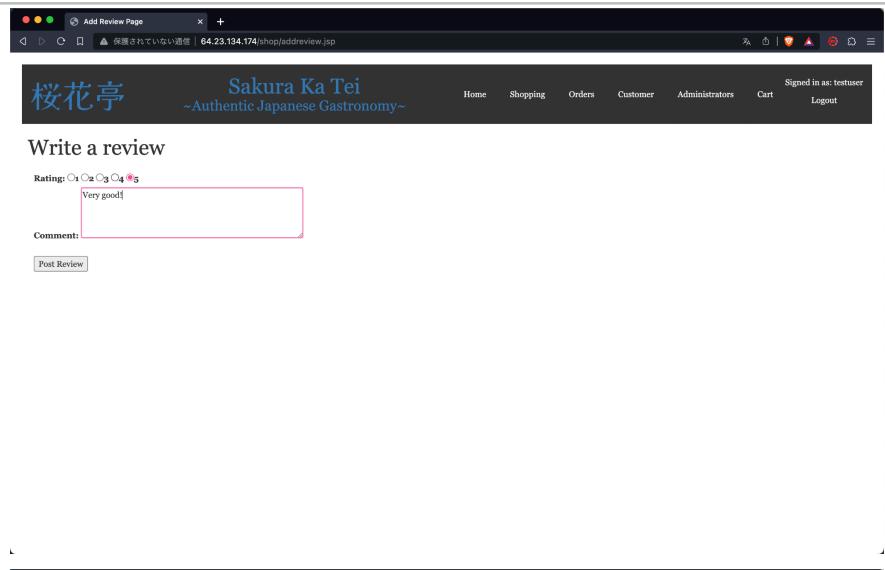
Yuki Isomura [yukiiso1114@gmail.com](mailto:yukiiso1114@gmail.com)

## 11. Review

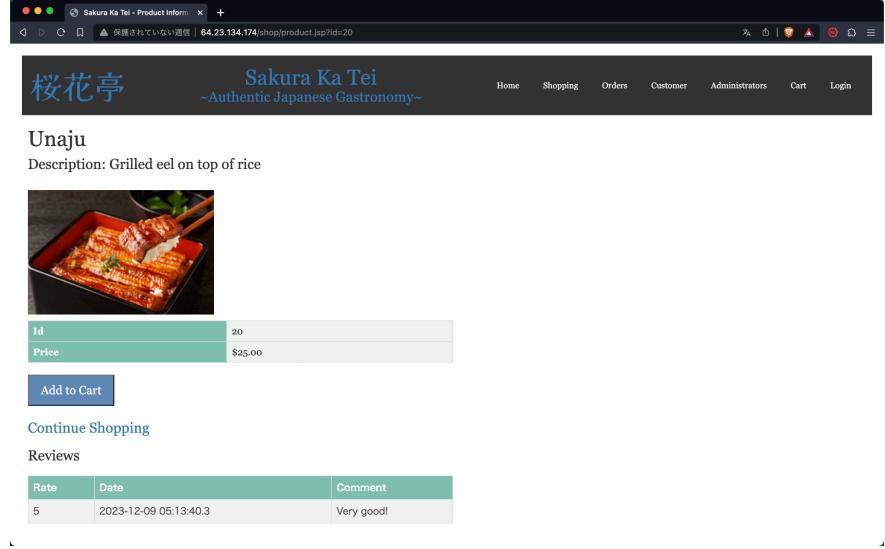
Users may add a review from the product detail view.

Users are not allowed to add a review if they have never purchased the corresponding item.  
Users are not allowed to add a review more than once.

Any added review can be checked on product detail view.



The screenshot shows a web browser window titled 'Add Review Page'. The page header includes the restaurant name 'Sakura Ka Tei' and its tagline 'Authentic Japanese Gastronomy'. Navigation links for Home, Shopping, Orders, Customer, Administrators, Cart, and Logout are visible. A user is signed in as 'testuser'. The main content area is titled 'Write a review'. It features a rating scale with five options (1 to 5) where option 5 is highlighted in red. Below the rating is a text input field containing the text 'Very good!'. There is also a 'Comment:' label and a 'Post Review' button.

The screenshot shows a web browser window titled 'Sakura Ka Tei - Product Inform.'. The page header includes the restaurant name 'Sakura Ka Tei' and its tagline 'Authentic Japanese Gastronomy'. Navigation links for Home, Shopping, Orders, Customer, Administrators, Cart, and Login are visible. The main content area displays a product named 'Unaju' with the description 'Grilled eel on top of rice'. An image of the dish is shown in a red rectangular container. Below the image is a table with two rows: 'Id' (20) and 'Price' (\$25.00). A large blue 'Add to Cart' button is present. Below the product details, there is a 'Continue Shopping' link and a 'Reviews' section. The 'Reviews' section contains a single entry with a rating of 5, a date of 2023-12-09 05:13:40.3, and a comment 'Very good!'.

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