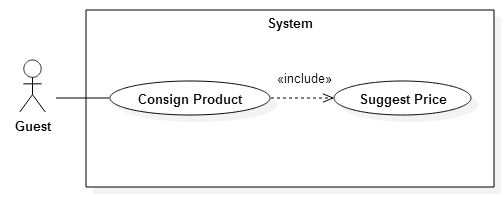
1. **<Guest> Consign product**

**Use Case Diagram**



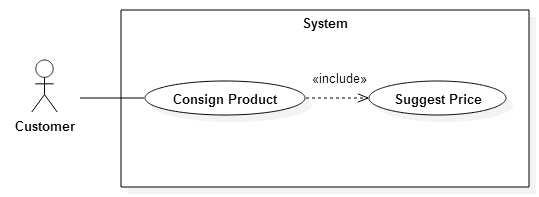
**Figure 1: <Guest> Consign product**

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP01** | | | |
| **Use Case No.** | **DHP01** | Use Case Version | 2.0 |
| **Use Case Name** | Consign product | | |
| **Author** | DucHC | | |
| **Date** | May 23, 2015 | Priority | High |
| **Actor**:   * Guest   **Summary**:   * This use case allows guest to consign product.   **Goal**:   * Guest sends consign requests successfully.   **Triggers**:   * Guest clicks “Consign” button on header bar.   **Preconditions**:   * N/A   **Post Conditions**:   * **Success**: Show success message. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest clicks “Consign” link on header bar. | System navigates to “Consign” page and “Product’s info” page is shown with following information:   * Product name: textbox, min-length: 5 characters, max-length: 50 characters, required. * Serial number: textbox. * Purchased date: datetime picker, default date: today, required. * Category: dropdown list, raw data: from database, required. * Brand: textbox, min-length: 5 characters, max-length: 50 characters, required. * Description: textbox. * Product image: image, required. * Select image: button. * Change: button. * Remove: button. * Next: button. | | 2 | Guest inputs field and clicks “Next” button on “Product’s info” page.  [Alternative 1, 2,3] | System calls “Suggest price” function to get basic price for product. System shows suitable stores for product based on category, calculates price of each store on “Choose store” page. Then this page will be shown with following information:   * Store owner: table with columns   + Name: text.   + Address: text.   + Reliability: text.   + Price: text.   + Choose: radio button. * Back: button. * Next: button.   [Exception 1,2,3,4]  [Alternative 4] | | 3 | Guest chooses a store and clicks “Next” button on “Choose store” page.  [Alternative 5] | System navigates to “Personal info” page with following information:   * Full name: textbox, min-length: 5 characters, max-length: 50 characters, required. * Delivery date:   + “From” datetime picker, default date: today, required.   + “To” datetime picker, default date: today, required. * Address: textbox. * Contact by: 3 radio buttons: “Phone”, “Email” and “Both”. * Phone: textbox. * Email: textbox. * Payment method: 2 radio buttons: “Cash” and “Credit card”. * Card number: textbox. * Card owner: textbox, min-length: 5 characters, max-length: 50 characters. * Back: button. * Consign: button.   [Exception 5] | | 4 | Guest inputs fields and clicks “Consign” button.  [Alternative 6,7,8,9,10,11] | Consigning requests are sent. Guest will be navigated to page with a successful message and a code to check consigned-item’s status.  [Exception 6,7,8,9,10,11,12,13] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Guest clicks “Select image” button on “Product’s info” page. | Browse image in guest’s computer and upload on page. | | 2 | Guest clicks “Change” button on “Product’s info” page. | Browse image in guest’s computer and upload on page. | | 3 | Guest clicks “Remove” button on “Product’s info” page. | Remove image. | | 4 |  | System cannot find product with provided info. A message “We could not find your product. Store owner will check and price your product later.” will be shown on “Choose store” page. | | 5 | Guest clicks “Back” button on “Choose store” page. | System navigates back to “Step 1: Product’s info” page. | | 6 | Guest clicks “Phone” radio button on “Personal info” page. | “Phone” textbox will be shown and required.  “Email” textbox will be hidden. | | 7 | Guest clicks “Email” radio button on “Personal info” page. | “Email” textbox will be shown and required.  “Phone” textbox will be hidden. | | 8 | Guest clicks “Both” radio button on “Personal info” page. | Both “Phone” textbox and “Email” textbox will be shown and required. | | 9 | Guest clicks “Cash” radio button on “Personal info” page. | “Card number” textbox and “Card owner” textbox will be hidden. | | 10 | Guest clicks “Credit card” radio button on “Personal info” page. | “Card number” textbox and “Card owner” textbox will be shown and required. | | 11 | Guest clicks “Back” button on “Personal info” page. | System navigates back to “Step 2: Choose store” page. |   **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Guest clicks “Next” button on “Product’s info” page. | “Product name” is less than 5 characters or longer than 50 characters. Show error message: “Product name must be between 5-50 characters”. | | 2 | Guest clicks “Next” button on “Product’s info” page. | Purchased date is empty. Show error message: “Please choose a date”. | | 3 | Guest clicks “Next” button on “Product’s info” page. | “Category” is empty. Show error message: “Please choose a category”. | | 4 | Guest clicks “Next” button on “Product’s info” page. | No image is uploaded. Show message error: “Please upload an image of your product”. | | 5 | Guest clicks “Next” button on “Choose store” page. | No store is chosen. Show error message: “Please choose a store to consign”. | | 6 | Guest clicks “Consign” button on “Personal info” page. | “Full name” is less than 5 characters or longer than 50 characters. Show error message: “Full name must be between 5-50 characters”. | | 7 | Guest clicks “Consign” button on “Personal info” page. | “From” datetime picker is empty. Show error message: “Please choose from date”. | | 8 | Guest clicks “Consign” button on “Personal info” page. | “To” datetime picker is empty. Show error message: “Please choose to date”. | | 9 | Guest clicks “Consign” button on “Personal info” page. | “From” datetime picker is bigger than “To” datetime picker. Show error message: “From date must be smaller than to date”. | | 10 | Guest clicks “Consign” button on “Personal info” page. | “Phone” is empty. Show error message: “Phone is required”. | | 11 | Guest clicks “Consign” button on “Personal info” page. | “Email” is empty. Show error message: “Email is required”. | | 12 | Guest clicks “Consign” button on “Personal info” page. | “Card number” is empty. Show error message: “Credit card is required”. | | 13 | Guest clicks “Consign” button on “Personal info” page. | “Card owner” is empty. Show error message: “Card owner is required”. |   **Relationships**:   * Include suggest price.   **Business Rules**:   * System uses amazon service to get basic price of product based on name and serial number guest provides. * “Reliability” attribute of store is based on number of successful consignments on total consignments that store had did in history. * After sending consignment request, guest will receive a code to track product’s status and use it to cancel consignment. * Store owner will contact and receive product on day guest chose. | | | |

1. **<Customer> Consign product**

**Use Case Diagram**



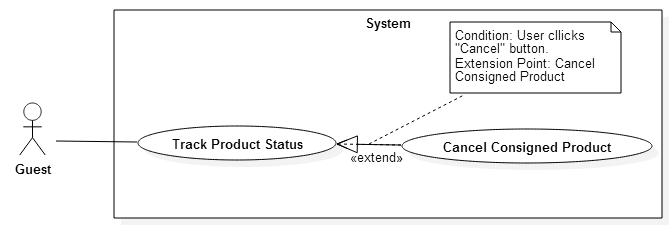
**Figure 2: <Customer> Consign product**

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP02** | | | |
| **Use Case No.** | **DHP02** | Use Case Version | 2.0 |
| **Use Case Name** | Consign product | | |
| **Author** | DucHC | | |
| **Date** | May 23, 2015 | Priority | High |
| **Actor**:   * Customer   **Summary**:   * This use case allows customer to consign product.   **Goal**:   * Customer sends consign requests successfully.   **Triggers**:   * Customer clicks “Consign” button on header bar.   **Preconditions**:   * User logged in as Customer.   **Post Conditions**:   * **Success**: Show success message. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Customer clicks “Consign” link on header bar. | System navigates to “Consign” page and “Product’s info” page is shown with following information:   * Product name: textbox, min-length: 5 characters, max-length: 50 characters, required. * Serial number: textbox. * Purchased date: datetime picker, default date: today, required. * Category: dropdown list, raw data: from database, required. * Brand: textbox, min-length: 5 characters, max-length: 50 characters, required. * Description: textbox. * Product image: image, required. * Select image: button. * Change: button. * Remove: button. * Next: button. | | 2 | Customer inputs field and clicks “Next” button on “Product’s info” page.  [Alternative 1, 2,3] | System calls “Suggest price” function to get basic price for product. System shows suitable stores for product based on category, calculates price of each store on “Choose store” page. Then this page will be shown with following information:   * Store owner: table with columns   + Name: text.   + Address: text.   + Reliability: text.   + Price: text.   + Choose: radio button. * Back: button. * Next: button.   [Exception 1,2,3,4]  [Alternative 4] | | 3 | Customer chooses a store and clicks “Next” button on “Choose store” page.  [Alternative 5] | System navigates to “Personal info” page with following information:   * Full name: textbox, min-length: 5 characters, max-length: 50 characters, required. * Delivery date:   + “From” datetime picker, default date: today, required.   + “To” datetime picker, default date: today, required. * Address: textbox. * Contact by: 3 radio buttons: “Phone”, “Email” and “Both”. * Phone: textbox. * Email: textbox. * Payment method: 2 radio buttons: “Cash” and “Credit card”. * Card number: textbox. * Card owner: textbox, min-length: 5 characters, max-length: 50 characters. * Back: button. * Consign: button.   All field are automatically filled using customer profile and allow customer to change it.  [Exception 5] | | 4 | Customer inputs fields and clicks “Consign” button.  [Alternative 6,7,8,9,10,11] | Consigning requests are sent. Customer will be navigated to page with a successful message.  [Exception 6,7,8,9,10,11,12,13] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Customer clicks “Select image” button on “Product’s info” page. | Browse image in Customer’s computer and upload on page. | | 2 | Customer clicks “Change” button on “Product’s info” page. | Browse image in Customer’s computer and upload on page. | | 3 | Customer clicks “Remove” button on “Product’s info” page. | Remove image. | | 4 |  | System cannot find product with provided info. A message “We could not find your product. Store owner will check and price your product later.” will be shown on “Choose store” page. | | 5 | Customer clicks “Back” button on “Choose store” page. | System navigates back to “Step 1: Product’s info” page. | | 6 | Customer clicks “Phone” radio button on “Personal info” page. | “Phone” textbox will be shown and required.  “Email” textbox will be hidden. | | 7 | Customer clicks “Email” radio button on “Personal info” page. | “Email” textbox will be shown and required.  “Phone” textbox will be hidden. | | 8 | Customer clicks “Both” radio button on “Personal info” page. | Both “Phone” textbox and “Email” textbox will be shown and required. | | 9 | Customer clicks “Cash” radio button on “Personal info” page. | “Card number” textbox and “Card owner” textbox will be hidden. | | 10 | Customer clicks “Credit card” radio button on “Personal info” page. | “Card number” textbox and “Card owner” textbox will be shown and required. | | 11 | Customer clicks “Back” button on “Personal info” page. | System navigates back to “Step 2: Choose store” page. |   **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Customer clicks “Next” button on “Product’s info” page. | “Product name” is less than 5 characters or longer than 50 characters. Show error message: “Product name must be between 5-50 characters”. | | 2 | Customer clicks “Next” button on “Product’s info” page. | Purchased date is empty. Show error message: “Please choose a date”. | | 3 | Customer clicks “Next” button on “Product’s info” page. | “Category” is empty. Show error message: “Please choose a category”. | | 4 | Customer clicks “Next” button on “Product’s info” page. | No image is uploaded. Show message error: “Please upload an image of your product”. | | 5 | Customer clicks “Next” button on “Choose store” page. | No store is chosen. Show error message: “Please choose a store to consign”. | | 6 | Customer clicks “Consign” button on “Personal info” page. | “Full name” is less than 5 characters or longer than 50 characters. Show error message: “Full name must be between 5-50 characters”. | | 7 | Customer clicks “Consign” button on “Personal info” page. | “From” datetime picker is empty. Show error message: “Please choose from date”. | | 8 | Customer clicks “Consign” button on “Personal info” page. | “To” datetime picker is empty. Show error message: “Please choose to date”. | | 9 | Customer clicks “Consign” button on “Personal info” page. | “From” datetime picker is bigger than “To” datetime picker. Show error message: “From date must be smaller than to date”. | | 10 | Customer clicks “Consign” button on “Personal info” page. | “Phone” is empty. Show error message: “Phone is required”. | | 11 | Customer clicks “Consign” button on “Personal info” page. | “Email” is empty. Show error message: “Email is required”. | | 12 | Customer clicks “Consign” button on “Personal info” page. | “Card number” is empty. Show error message: “Credit card is required”. | | 13 | Customer clicks “Consign” button on “Personal info” page. | “Card owner” is empty. Show error message: “Card owner is required”. |   **Relationships**:   * Include suggest price.   **Business Rules**:   * System uses amazon service to get basic price of product based on name and serial number customer provides. * “Reliability” attribute of store is based on number of successful consignments on total consignments that store had did in history. * Store owner will use information that customer provides in consignment, not in customer’s profile. * Even it is not customer who will deal with store owner in this consignment, this will be saved in customer’ history. | | | |

1. **<Guest> Track product status**

**Use Case Diagram**

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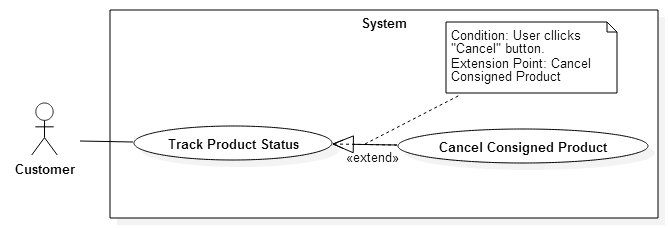
**Figure 3: <Guest> Track product status**

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP03** | | | |
| **Use Case No.** | DHP03 | Use Case Version | 2.0 |
| **Use Case Name** | Track product status | | |
| **Author** | DucHC | | |
| **Date** | May 29, 2015 | Priority | High |
| **Actor**:   * Guest   **Summary**:   * This use case allows guest to track product status by code.   **Goal**:   * View product’s current status.   **Triggers**:   * Guest clicks “Track product” button on header bar.   **Preconditions**:   * N/A   **Post Conditions**:   * **Success:** View product’s current status. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest clicks “Track product” button on header bar. | System navigates to “Track product” page with following information:   * Code: textbox. * Check: button. | | 2 | Guest inputs and clicks “Check” button. | System reloads page and shows product’s status with following information:   * Image: image. * Product name: text. * Consigned-price: text. * Consigned date: text. * Product’s status: text. * Product’s owner:   + Name: text.   + Address: text.   + Phone: text.   + Email: text.   + Payment method: text. * Store owner * Cancel: button.   [Exception: 1, 2] |   **Alternative Scenario**: N/A  **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Guest clicks “Check” button. | Code is null. Show error message: “ID is required”. | |  | Guest clicks “Check” button. | System cannot find product with provided code. Show error message: “We could not find product with this code”. |   **Relationships**:   * Extend to Cancel product (Guest clicks “Cancel” button).   **Business Rules**:   * Guest can only track product’s status by code. * Code is generated from consignment of consigned product. * When status is “Sold” or “Completed”, which means product is sold, “Cancel” button will be disabled. | | | |

1. **<Customer> Track product status**

**Use Case Diagram**

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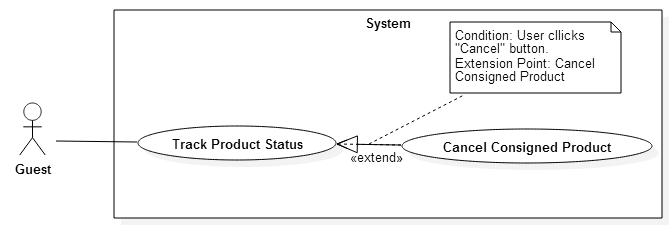
**Figure 4: <Customer> Track product status**

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP04** | | | |
| **Use Case No.** | DHP04 | Use Case Version | 2.0 |
| **Use Case Name** | Track product status | | |
| **Author** | DucHC | | |
| **Date** | May 29, 2015 | Priority | High |
| **Actor**:   * Customer   **Summary**:   * This use case allows customer to track product status.   **Goal**:   * View product’s current status.   **Triggers**:   * Customer clicks “Track product” button.   **Preconditions**:   * User logged in as customer.   **Post Conditions**:   * **Success:** View product’s current status. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Customer clicks “Track product” button. | System navigates to “Track product’s status” page with following information:   * Product list: table with column:   + Product name: text.   + Consign date: text.   + Consigned price: text.   + Details: link. | | 3 | Customer clicks “Details” button. | System navigates to “Product’s status details” with following information:   * Image: text. * Product name: text. * Consigned-price: text. * Consigned date: text. * Product’s status: text. * Product’s owner:   + Name: text.   + Address: text.   + Phone: text.   + Email: text.   + Payment method: text. * Store owner * Cancel: button. * Back: button.   [Alternative 1] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Customer clicks “Back” button. | System navigates to “Track product’s status” page. |   **Exceptions**: N/A  **Relationships**:   * Extend from Cancel product (Guest clicks “Cancel” button).   **Business Rules**:   * Customer can view all consigned products in history of customer. * When status is “Sold” or “Completed”, “Cancel” button will be disable. | | | |

1. **<Guest> Cancel consigned product**

**Use Case Diagram**

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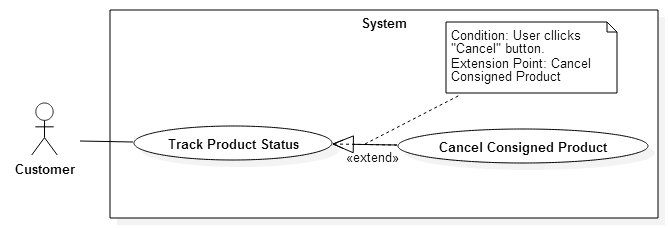
**Figure 5: <Guest> Cancel consigned product**

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP05** | | | |
| **Use Case No.** | DHP05 | Use Case Version | 2.0 |
| **Use Case Name** | Cancel consigned product | | |
| **Author** | DucHC | | |
| **Date** | May 29, 2015 | Priority | High |
| **Actor**:   * Guest   **Summary**:   * This use case allows guest to cancel a consigned product.   **Goal**:   * Guest cancels a consigned product successfully.   **Triggers**:   * Guest clicks “Cancel” button.   **Preconditions**:   * Guest is at “Track product” page. * Guest is viewing a product status information. * Status of product is neither “Sold” nor “Completed”.   **Post Conditions**:   * **Success:** Product’s status is changed to “Canceled”. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest clicks “Cancel” button. | Product’s status is changed to “Canceled”. |   **Alternative Scenario**: N/A  **Exceptions**: N/A  **Relationships**:   * Extent to Track product status.   **Business Rules**:   * Guest can only cancel product before it’s sold. * If guest cancels before store owner gets product, consign product process will be stopped. * If guest cancels after store owner gets product, guest will be informed to take back product in a specific time. After that time and guest doesn’t come to take back product, store owner will have it. | | | |

1. **<Customer> Cancel consigned product**

**Use Case Diagram**

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**Figure 6: <Customer> Cancel consigned product**

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP06** | | | |
| **Use Case No.** | DHP06 | Use Case Version | 2.0 |
| **Use Case Name** | Cancel consigned product | | |
| **Author** | DucHC | | |
| **Date** | May 29, 2015 | Priority | High |
| **Actor**:   * Customer   **Summary**:   * This use case allows customer to cancel consigned product.   **Goal**:   * Customer cancels consigned product successfully.   **Triggers**:   * Customer clicks “Cancel” button.   **Preconditions**:   * User logged in as Customer. * Customer is at “Product status details” page. * Status of product is not “Sold” or “Completed”.   **Post Conditions**:   * **Success:** Product status is changed to “Canceled”. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Customer clicks “Cancel” button. | Product status is changed to “Canceled”. |   **Alternative Scenario**: N/A  **Exceptions**: N/A  **Relationships**:   * Extent to Track product status.   **Business Rules**:   * Customer can only cancel product before it’s sold. * If customer cancels before store owner gets product, consign product process will be stopped. * If customer cancels after store owner gets product, customer will be informed to take back product in a specific time. After that time and customer doesn’t come to take back product, store owner will have it. * Store owner will contact customer by information in consignment. If couldn’t, store owner will contact customer by information on profile. | | | |