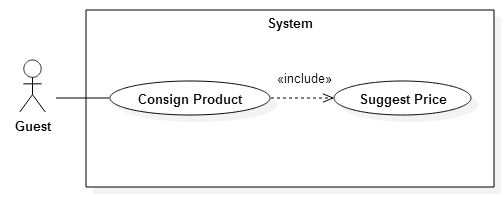
1. **<Guest> Consign product**

**Use Case Diagram**



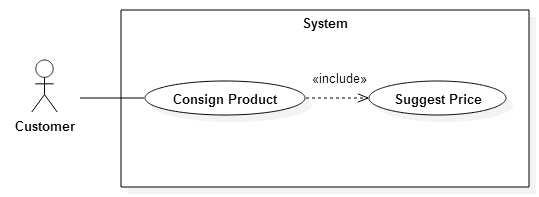
**Figure 1: <Guest> Consign product**

**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**:   * Send consign requests successfully.   **Triggers**:   * Guest clicks “Consign” button.   **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” button. | System navigates to “Consign” page and “Product’s info” tab is shown with following information:   * Product name: textbox, 5-50 characters, required. * Serial number: textbox. * Category: dropdown list, raw data: from database, required. * Brand: dropdown list, required. * Purchase date: datetime picker, default date: 1 month ago, required. * Description: textbox, 250 characters. * Product image: image, required. * Next: button. | | 2 | Guest inputs field. |  | | 3 | Guest clicks “Next” button. | 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” tab. Then this tab 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 1] | | 5 | Choose store to consign product. |  | | 6 | Click “Next” button.  [Alternative 2] | System navigates to “Personal info” tab with following information:   * Full name: textbox, 1-50 characters, required. * Delivery date:   + “From” datetime picker, required.   + “To” datetime picker, required. * Address: textbox, 1-255 characters. * 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, 1-50 characters. * Back: button. * Consign: button.   [Exception 5] | | 7 | Input field.  [Alternative 3,4,5,6,7] |  | | 8 | Click “Consign” button.  [Alternative 8] | Consigning requests are sent. Guest will be navigated to page with a successful message and an id to check consigned-item’s status.  [Exception 6,7,8,9,10,11,12] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  | 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 tab 2. | | 2 | Click “Back” button. | System navigates back to “Step 1: Product’s info” tab. | | 3 | Click “Phone” radio button. | “Phone” textbox will be shown and required.  “Email” textbox will be hidden. | | 4 | Click “Email” radio button. | “Email” textbox will be shown and required.  “Phone” textbox will be hidden. | | 5 | Click “Both” radio button. | Both “Phone” textbox and “Email” textbox will be shown and required. | | 6 | Click “Cash” radio button. | “Card number” textbox and “Card owner” textbox will be hidden. | | 7 | Click “Credit card” radio button. | “Card number” textbox and “Card owner” textbox will be shown and required. | | 8 | Click “Back” button. | System navigates back to “Step 2: Choose store” tab. |   **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click “Next” button. | “Product name” is empty or longer than 50 characters. Show error message: “Product name must be between 1-50 characters”. | | 2 | Click “Next” button. | “Category” is empty. Show error message: “Please choose a category”. | | 3 | Click “Next” button. | “Brand” is empty. Show error message: “Please choose a brand”. | | 4 | Click “Next” button. | No image is uploaded. Show message error: “Please upload an image of your product”. | | 5 | Click “Next” button. | No store is chosen. Show error message: “Please choose a store to consign”. | | 7 | Click “Consign” button. | “Full name” is empty or longer than 50 characters. Show error message: “Full name must be between 1-50 characters”. | |  | Click “Consign” button. | “From” datetime picker is empty. Show error message: “Please choose from date”. | |  | Click “Consign” button. | “To” datetime picker is empty. Show error message: “Please choose to date”. | |  | Click “Consign” button. | “From” datetime picker is bigger than “To” datetime picker. Show error message: ”From date must be smaller than to date”. | | 8 | Click “Consign” button. | “Phone” is empty. Show error message: “Phone is required”. | | 9 | Click “Consign” button. | “Email” is empty. Show error message: “Email is required”. | | 10 | Click “Consign” button. | “Card number” is empty. Show error message: “Credit card is required”. | | 11 | Click “Consign” button. | “Card owner” is empty. Show error message: “Card owner is required”. |   **Relationships**:   * Include suggest price.   **Business Rules**:   * System uses amazon service to get full information of product based on what guest provide. * Those stores guest can choose to consign are based on category and brand that user chose. * Reliability of store is based on success consignments on total consignments that store had in history. * Store owner will contact and pay guest by personal info guest provide. | | | |

1. **<Customer> Consign product**

**Use Case Diagram**



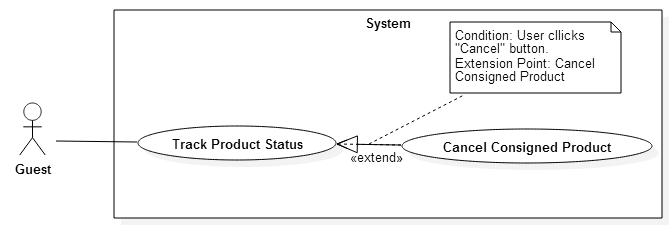
**Figure 2: <Customer> Consign product**

**Use Case Specification**

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| --- | --- | --- | --- |
| **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**:   * Successfully send consign requests.   **Triggers**:   * Customer clicks “Consign” button.   **Preconditions**:   * User logged in as Customer.   **Post Conditions**:   * **Success:** Success page is shown. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Customer clicks “Consign” button. | System navigates to “Consign” page and “Step 1: Product’s info” tab is shown with following information:   * Product name: textbox, 1-50 characters, required. * Serial number: textbox. * Category: dropdown list, required. * Brand: dropdown list, required. * Description: textbox, 1-255 characters. * Product image: image, required. * Next: button. | | 2 | Input field. |  | | 3 | Click “Next” button. | System calls “Suggest price” from amazon service, gets all stores which would accept this product based on their categories, calculates each store’s suggested price and show on “Step 2: Choose store” tab. Then this tab will be shown with following information:   * Store owner: table with columns   + Name: text.   + Address: text.   + Reliability: label.   + Price: text.   + Choose: radio button. * Back: button. * Next: button.   [Exception 1,2,3,4]  [Alternative 1] | | 5 | Choose store(s) to consign product. |  | | 6 | Click “Next” button.  [Alternative 2] | System navigates to “Step 3: Personal info” tab with following information:   * Full name: textbox, 1-50 characters, required. * Delivery date:   + “From” datetime picker, required.   + “To” datetime picker, required. * Address: textbox, 1-255 characters. * 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, 1-50 characters. * Back: button. * Next: button.   Every field except “From” datetime picker and “To” datetime picker is filled.  [Exception 5] | | 7 | Input field.  [Alternative 3,4,5,6,7] |  | | 8 | Click “Consign” button. | Consigning requests are sent. Member is navigated to a page with a successful message.  [Exception 6,7,8,9,10,11,12] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  | 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 tab 2. | | 2 | Click “Back” button. | System navigates back to “Step 1: Product’s info” tab. | | 3 | Click “Phone” radio button. | “Phone” textbox will be shown and required.  “Email” textbox will be hidden. | | 4 | Click “Email” radio button. | “Email” textbox will be shown and required.  “Phone” textbox will be hidden. | | 5 | Click “Both” radio button. | Both “Phone” textbox and “Email” textbox will be shown and required. | | 6 | Click “Cash” radio button. | “Card number” textbox and “Card owner” textbox will be hidden. | | 7 | Click “Credit card” radio button. | “Card number” textbox and “Card owner” textbox will be shown and required. | | 8 | Click “Back” button. | System navigates back to “Step 2: Choose store” tab. |   **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click “Next” button. | “Product name” is empty or longer than 50 characters. Show error message: “Product name must be between 1-50 characters”. | | 2 | Click “Next” button. | “Category” is empty. Show error message: “Please choose a category”. | | 3 | Click “Next” button. | “Brand” is empty. Show error message: “Please choose a brand”. | | 4 | Click “Next” button. | No image is uploaded. Show message error: “Please upload an image of your product”. | | 5 | Click “Next” button. | No store is chosen. Show error message: “Please choose a store to consign”. | | 7 | Click “Consign” button. | “Full name” is empty or longer than 50 characters. Show error message: “Full name must be between 1-50 characters”. | |  | Click “Consign” button. | “From” datetime picker is empty. Show error message: “Please choose from date”. | |  | Click “Consign” button. | “To” datetime picker is empty. Show error message: “Please choose to date”. | |  | Click “Consign” button. | “From” datetime picker is bigger than “To” datetime picker. Show error message: “From date must be smaller than to date”. | | 8 | Click “Consign” button. | “Phone” is empty. Show error message: “Phone is required”. | | 9 | Click “Consign” button. | “Email” is empty. Show error message: “Email is required”. | | 10 | Click “Consign” button. | “Card number” is empty. Show error message: “Credit card is required”. | | 11 | Click “Consign” button. | “Card owner” is empty. Show error message: “Card owner is required”. |   **Relationships**:   * Include suggest price.   **Business Rules**:   * On “Step 3: Personal info” tab, all field will be filled automatically, but customer can change it. * Website use amazon service to get full information of product based on what customer provide. * The image customer upload should be the real picture of product. * Those stores customer can choose to consign are based on category and brand that customer chose. * Reliability of stores are based on success consignments on total consignments that store had in history. * Store owner will contact and pay customer by personal info user provide in this request. * This consignment will be saved to customer’s activity history even customer provides different information. | | | |
|  | | | |

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

**Use Case Diagram**

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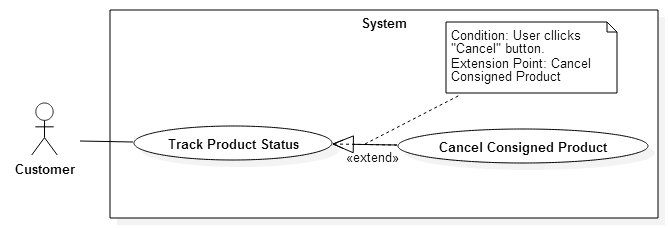
**Figure 3: <Guest> Track product status**

**Use Case Specification**

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| --- | --- | --- | --- |
| **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 allow guest to track product status by id.   **Goal**:   * View product’s current status.   **Triggers**:   * Guest clicks “Track product” button.   **Preconditions**:   * N/A   **Post Conditions**:   * **Success:** Successfully view product’s current status. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest clicks “Track product” button. | System navigates to “Track product” page with following information:   * ID: textbox. * Check: button. | | 2 | Fill “ID” textbox. |  | | 3 | Click “Check” button. | System reload page and show product’s status with following information:   * Image: text. * Product name: text. * Consigned-price: text. * Consign date: text. * Product 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 | Click “Check” button. | ID is null. Show error message: “ID is required”. | |  | Click “Check” button. | System cannot find product with provided id. Show error message: “We could not find product with this id”. |   **Relationships**:   * Extend to Cancel product (Guest clicks “Cancel” button).   **Business Rules**:   * Guest can only track product status by id. * Each time guest can only track a product. * Status is bigger than other texts. * When status is “Sold” or “Completed”, “Cancel” button will be disabled. | | | |

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

**Use Case Diagram**

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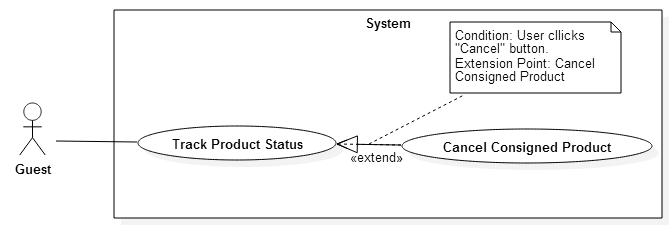
**Figure 4: <Customer> Track product status**

**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 allow 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:** Successfully view product’s current status. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest clicks “Track product” button. | System navigates to “Track product status” page with following information:   * Product list: table with column:   + Product name: text.   + Consign date: text.   + Consigned price: text.   + Details: link. | | 3 | Click “Details” button. | System navigates to “Product status details” with following information:   * Image: text. * Product name: text. * Consigned-price: text. * Consign date: text. * Product 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 | Click “Back” button. | System navigates to “Track product status” page. |   **Exceptions**: N/A  **Relationships**:   * Extend from Cancel product (Guest clicks “Cancel” button).   **Business Rules**:   * Customer can view all consign products in history. * Status is bigger than other texts. * When status is “Sold” or “Completed”, “Cancel” button will be disable. | | | |

1. **<Guest> Cancel product**

**Use Case Diagram**

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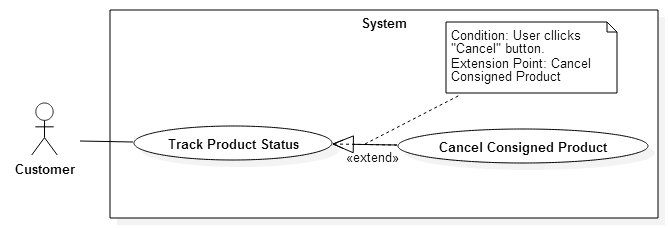
**Figure 5: <Guest> Cancel product**

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP05** | | | |
| **Use Case No.** | DHP05 | Use Case Version | 2.0 |
| **Use Case Name** | Cancel product | | |
| **Author** | DucHC | | |
| **Date** | May 29, 2015 | Priority | High |
| **Actor**:   * Guest   **Summary**:   * Cancel a consign product process.   **Goal**:   * Successfully cancel consign product process.   **Triggers**:   * Guest clicks “Cancel” button.   **Preconditions**:   * Guest is at “Track product” page. * Guest is viewing a product status information. * 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 | Guest clicks “Cancel” button. | Product 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. * When guest cancels before store owner gets product, consign product process will stop. * When guest cancels after store owner gets product, guest will be notified to take back product in a specific time. If after that time and guest doesn’t come to take back product, store owner will have it. | | | |

1. **<Customer> Cancel product**

**Use Case Diagram**

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

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP06** | | | |
| **Use Case No.** | DHP06 | Use Case Version | 2.0 |
| **Use Case Name** | Cancel product | | |
| **Author** | DucHC | | |
| **Date** | May 29, 2015 | Priority | High |
| **Actor**:   * Customer   **Summary**:   * Cancel a consign product process.   **Goal**:   * Successfully cancel consign product process.   **Triggers**:   * Customer clicks “Cancel” button.   **Preconditions**:   * User logged in as Customer. * User 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. * When customer cancels before store owner gets product, consign product process will stop. * When customer cancels after store owner gets product, customer will be notified to take back product in a specific time. If after that time and customer doesn’t come to take back product, store owner will have it. | | | |