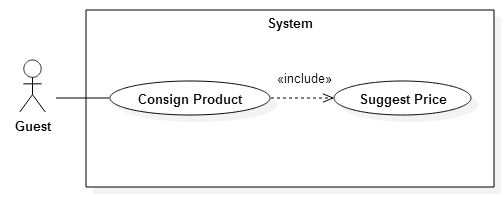
1. **<Guest> Consign product**

**Use Case Diagram**



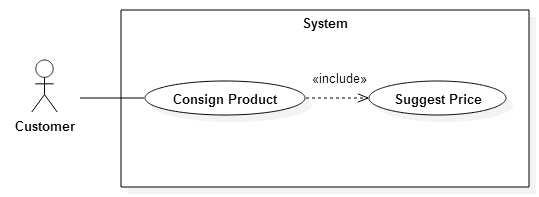
**Figure 1: <Guest> Consign product**

**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**:   * Successfully send consign requests and receive id of consigned-product.   **Triggers**:   * Guest clicks “Consign” button.   **Preconditions**:   * N/A   **Post Conditions**:   * **Success**: Success page is shown. Guest will receive an id to track consigned-item’s status. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest 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. * 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**:   * Guest should provide right information for system to check your product effectively. * Website use amazon service to get full information of product based on what guest provide. * The image guest uploads should be the real picture of product. * 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**



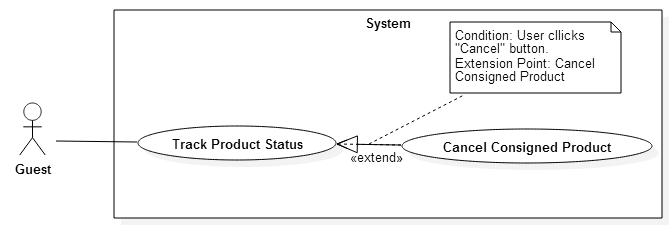
**Figure 2: <Customer> Consign product**

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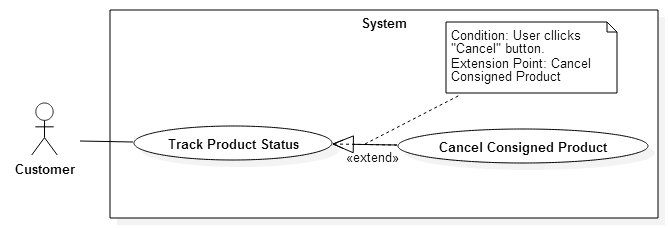
**Figure 3: <Guest> Track product status**

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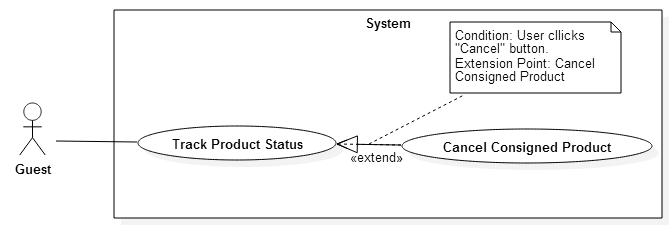
**Figure 4: <Customer> Track product status**

**Use Case Specification**

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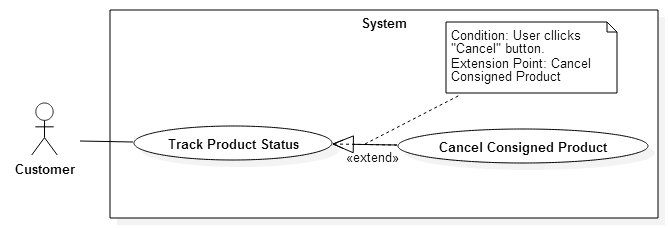
**Figure 5: <Guest> Cancel product**

**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. | | | |