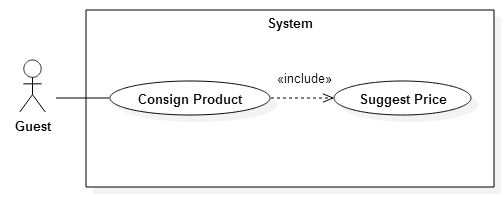
1. **<Guest> Consign product**

**Use Case Diagram**



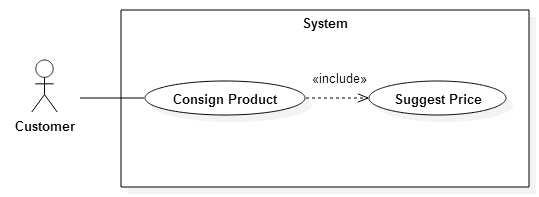
**Figure 1: <Guest> Consign product**

**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 sends consign command.   **Preconditions**:   * N/A   **Post Conditions**:   * **Success**: Show success message. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest sends consign command. | System requires guest to input following information of product:   * Product name:   + Free text input.   + Min-length: 5 characters.   + Max-length: 50 characters.   + Required. * Serial number: free text input. * Purchased date:   + Guest picks a date.   + Default date: today.   + Required. * Category:   + Option (example: Shirt, Pants, Shoes, Hat, Glass…).   + Required. * Brand:   + Free text input.   + Max-length: 50 characters. * Description: free text input. * Product image:   + Image of product.   + Required.   Systems also shows following component:   * Select image:   + Button.   + Guest clicks this to browse image in guest’s computer. * Change:   + Button.   + Guest clicks this to browse image in guest’s computer. * Remove:   + Button.   + Remove image. * Next:   + Button.   + Guest clicks this to go to next step to choose store. | | 2 | Guest inputs and sends information to system.  [Alternative 1, 2,3] | System calls “Suggest price” function to get basic price for product. System gets all suitable stores for product based on category, calculates price of each store then shows it to guest with following information:   * Name: label. * Address: label. * Reliability: label. * Price: label. * Choose: choose one of listed stores.   Systems also shows following component:   * Back:   + Button.   + Go back to input info of product. * Next:   + Button.   + Guest clicks this to go to next step to provide personal information.   [Exception 1,2,3,4]  [Alternative 4] | | 3 | Guest chooses a store and informs system.  [Alternative 5] | System requires guest to provide personal information listed below:   * Full name:   + Free text input.   + Min-length: 5 characters.   + Max-length: 50 characters.   + Required. * Delivery date:   + From:     - Guest picks a date.     - Default date: today.     - Required.   + “To”     - Guest picks a date.     - Default date: today.     - Required. * Address: free text input. * Contact by: Guest chooses one of 3 options: “Phone”, “Email” and “Both”. * Phone: free text input. * Email: free text input. * Payment method: guest chooses one of 2 options: “Cash” and “Credit card”. * Card number: free text input. * Card owner: free text input.   Systems also show following component:   * Back:   + Button.   + Guest clicks this to go back to store-choosing step. * Consign:   + Button.   + Guest clicks this to send personal information and complete consign-process.   [Exception 5] | | 4 | Guest inputs and sends information to system.  [Alternative 6,7,8,9,10,11] | System completes consigning request with all the information guest provides. A successful message will be shown. Guest will get a code to check consigned-product status.  [Exception 6,7,8,9,10,11,12,13] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Guest clicks “Select image” in providing product’s info step. | System requires guest to browse image in guest’s computer and upload on page. | | 2 | Guest clicks “Change” button in providing product’s info step. | System requires guest to browse image in guest’s computer and upload on page. | | 3 | Guest clicks “Remove” button in providing product’s info step. | Image is removed. | | 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. | | 5 | Guest clicks “Back” button in store-choosing step. | Systems navigates guest back to providing product’s info step. | | 6 | Guest chooses “Phone” option in providing Personal info step. | “Phone” free text input will be shown and be required.  “Email” free text input will be hidden. | | 7 | Guest chooses “Email” option in providing Personal info step. | “Email” t free text input will be shown and be required.  “Phone” free text input will be hidden. | | 8 | Guest chooses “Both” option in providing personal info step. | Both “Phone” free text input and “Email” free text input will be shown and be required. | | 9 | Guest chooses “Cash” option in providing personal info step. | “Card number” free text input and “Card owner” free text input will be hidden. | | 10 | Guest clicks “Credit card” option in providing personal info step. | “Card number” free text input and “Card owner” free text input will be shown and be required. | | 11 | Guest clicks “Back” button in providing personal info step. | Systems navigates guest back to store-choosing step. |   **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Guest clicks “Next” button in providing product’s info step. | “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 in providing product’s info step. | Purchased date is empty. Show error message: “Please choose a date”. | | 3 | Guest clicks “Next” button in providing product’s info step. | “Category” is empty. Show error message: “Please choose a category”. | | 4 | Guest clicks “Next” button in providing product’s info step. | No image is uploaded. Show message error: “Please upload an image of your product”. | | 5 | Guest clicks “Next” button in store-choosing step. | No store is chosen. Show error message: “Please choose a store to consign”. | | 6 | Guest clicks “Consign” button in providing personal info step. | “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 in providing personal info step. | “From” date is empty. Show error message: “Please choose from date”. | | 8 | Guest clicks “Consign” button in providing personal info step. | “To” date is empty. Show error message: “Please choose to date”. | | 9 | Guest clicks “Consign” button in providing personal info step. | “From” date is bigger than “To” date. Show error message: “From date must be smaller than to date”. | | 10 | Guest clicks “Consign” button in providing personal info step. | “Phone” is empty. Show error message: “Phone is required”. | | 11 | Guest clicks “Consign” button in providing personal info step. | “Email” is empty. Show error message: “Email is required”. | | 12 | Guest clicks “Consign” button in providing personal info step. | “Card number” is empty. Show error message: “Credit card is required”. | | 13 | Guest clicks “Consign” button in providing personal info step. | “Card owner” is empty. Show error message: “Card owner is required”. |   **Relationships**:   * Include suggest price.   **Business Rules**:   * System uses payment service to get basic price of product based on name and serial number guest provides. Then systems will calculates with the formula of each store to output suggested price. * “Reliability” attribute of store is based on number of successful consignments on total consignments that store had done in history. * After sending consignment request, guest will receive a code to track product’s status and also consignment’s status. Guest can also use it to cancel consignment. * Store owner will contact and receive product on day guest chose. But store owner has the right to cancel consignment if product doesn’t resemble the information guest provided. | | | |

1. **<Customer> Consign product**

**Use Case Diagram**



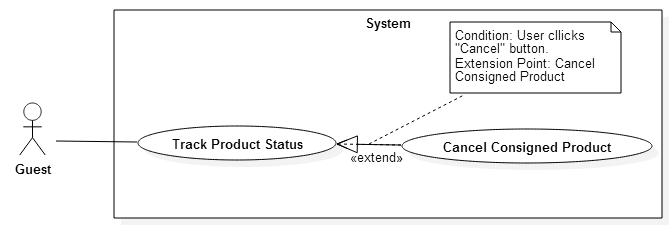
**Figure 2: <Customer> Consign product**

**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 sends consign command.   **Preconditions**:   * User logged in as Member.   **Post Conditions**:   * **Success**: Show success message. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Customer sends consign command. | System requires customer to input following information of product:   * Product name:   + Free text input.   + Min-length: 5 characters.   + Max-length: 50 characters.   + Required. * Serial number: free text input. * Purchased date:   + Customer picks a date.   + Default date: today.   + Required. * Category:   + Option (example: Shirt, Pants, Shoes, Hat, Glass…).   + Required. * Brand:   + Free text input.   + Max-length: 50 characters. * Description: free text input. * Product image:   + Image of product.   + Required.   Systems also show following component:   * Select image:   + Button.   + Customer clicks this to browse image in customer’s computer. * Change:   + Button.   + Customer clicks this to browse image in customer’s computer. * Remove:   + Button.   + Remove image. * Next:   + Button.   + Customer clicks this to go to next step to choose store. | | 2 | Customer inputs and sends information to system.  [Alternative 1, 2,3] | System calls “Suggest price” function to get basic price for product. System gets all suitable stores for product based on category, calculates price of each store then shows it to customer with following information:   * Name: label. * Address: label. * Reliability: label. * Price: label. * Choose: choose one of listed stores.   Systems also show following component:   * Back:   + Button.   + Go back to input info of product. * Next:   + Button.   + Customer clicks this to go to next step to provide personal information.   [Exception 1,2,3,4]  [Alternative 4] | | 3 | Customer chooses a store and informs system.  [Alternative 5] | System requires customer to provide personal information listed below:   * Full name:   + Free text input.   + Min-length: 5 characters.   + Max-length: 50 characters.   + Required. * Delivery date:   + From:     - Customer picks a date.     - Default date: today.     - Required.   + “To”     - Customer picks a date.     - Default date: today.     - Required. * Address: free text input. * Contact by: Customer chooses one of 3 options: “Phone”, “Email” and “Both”. * Phone: free text input. * Email: free text input. * Payment method: customer chooses one of 2 options: “Cash” and “Credit card”. * Card number: free text input. * Card owner: free text input.   Systems also show following component:   * Back:   + Button.   + Customer clicks this to go back to store-choosing step. * Consign:   + Button.   + Customer clicks this to send personal information and complete consign-process. * System automatically fills all information based on customer’s profile and allows customer to change it.   [Exception 5] | | 4 | Customer inputs and sends information to system.  [Alternative 6,7,8,9,10,11] | System completes consigning request with all the information customer provides. A successful message will be shown. Customer will get a code to check consigned-product status.  [Exception 6,7,8,9,10,11,12,13] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Customer clicks “Select image” in providing product’s info step. | System requires customer to browse image in customer’s computer and upload on page. | | 2 | Customer clicks “Change” button in providing product’s info step. | System requires customer to browse image in customer’s computer and upload on page. | | 3 | Customer clicks “Remove” button in providing product’s info step. | Image is removed. | | 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. | | 5 | Customer clicks “Back” button in store-choosing step. | Systems navigates customer back to providing product’s info step. | | 6 | Customer chooses “Phone” option in providing Personal info step. | “Phone” free text input will be shown and be required.  “Email” free text input will be hidden. | | 7 | Customer chooses “Email” option in providing Personal info step. | “Email” t free text input will be shown and be required.  “Phone” free text input will be hidden. | | 8 | Customer chooses “Both” option in providing personal info step. | Both “Phone” free text input and “Email” free text input will be shown and be required. | | 9 | Customer chooses “Cash” option in providing personal info step. | “Card number” free text input and “Card owner” free text input will be hidden. | | 10 | Customer clicks “Credit card” option in providing personal info step. | “Card number” free text input and “Card owner” free text input will be shown and be required. | | 11 | Customer clicks “Back” button in providing personal info step. | Systems navigates customer back to store-choosing step. |   **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Customer clicks “Next” button in providing product’s info step. | “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 in providing product’s info step. | Purchased date is empty. Show error message: “Please choose a date”. | | 3 | Customer clicks “Next” button in providing product’s info step. | “Category” is empty. Show error message: “Please choose a category”. | | 4 | Customer clicks “Next” button in providing product’s info step. | No image is uploaded. Show message error: “Please upload an image of your product”. | | 5 | Customer clicks “Next” button in store-choosing step. | No store is chosen. Show error message: “Please choose a store to consign”. | | 6 | Customer clicks “Consign” button in providing personal info step. | “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 in providing personal info step. | “From” date is empty. Show error message: “Please choose from date”. | | 8 | Customer clicks “Consign” button in providing personal info step. | “To” date is empty. Show error message: “Please choose to date”. | | 9 | Customer clicks “Consign” button in providing personal info step. | “From” date is bigger than “To” date. Show error message: “From date must be smaller than to date”. | | 10 | Customer clicks “Consign” button in providing personal info step. | “Phone” is empty. Show error message: “Phone is required”. | | 11 | Customer clicks “Consign” button in providing personal info step. | “Email” is empty. Show error message: “Email is required”. | | 12 | Customer clicks “Consign” button in providing personal info step. | “Card number” is empty. Show error message: “Credit card is required”. | | 13 | Customer clicks “Consign” button in providing personal info step. | “Card owner” is empty. Show error message: “Card owner is required”. |   **Relationships**:   * Include suggest price.   **Business Rules**:   * System uses payment service to get basic price of product based on name and serial number customer provides. Then systems will calculates with the formula of each store to output suggested price. * “Reliability” attribute of store is based on number of successful consignments on total consignments that store had done in history. * After sending consignment request, customer will receive a code to track product’s status and also consignment’s status. Customer can also use it to cancel consignment. * Store owner will contact and receive product on day customer chose. But store owner has the right to cancel consignment if product doesn’t resemble the information customer provided. * 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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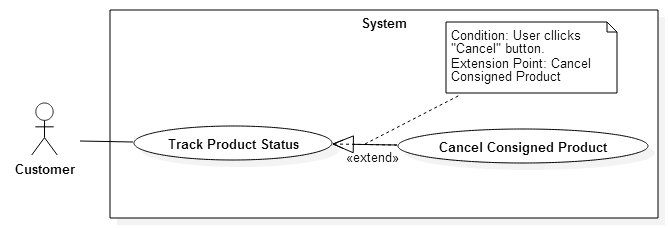
**Figure 3: <Guest> Track product status**

**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**:   * Guest views product’s current status successfully.   **Triggers**:   * Guest sends tracking product’s status command.   **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 sends tracking product’s status command. | System requires guest to input “Code” - free text input and show “Check” – button for guest to click and send code. | | 2 | Guest inputs code and sends it to system. | System finds product with provided code and shows guest with following information:   * Image: image of product. * Product name: label. * Consigned-price: label. * Consigned date: label. * Product’s status: label. * Product’s owner:   + Name: label.   + Address: label.   + Phone: label.   + Email: label.   + Payment method: label. * Store owner’s name: label.   System also shows “Cancel” button for guest to click and cancel consignment. [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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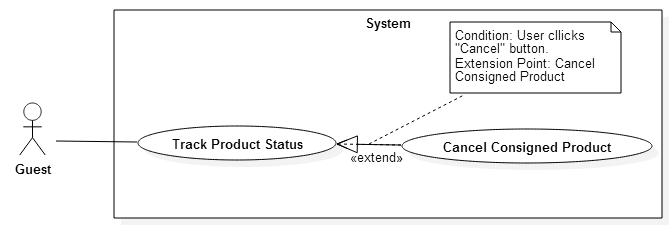
**Figure 4: <Customer> Track product status**

**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**:   * Customer view product’s current status successfully.   **Triggers**:   * Customer sends tracking product’s status command.   **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 sends tracking product’s status command. | System shows a table of consigned product with following information:   * Product name: label. * Consign date: label. * Consigned price: label.   Each row will have a “Details” link for customer to click and view details of a consigned product. | | 3 | Customer views details of a consigned product. | System shows consigned product details with following information:   * Image: image of product. * Product name: label. * Consigned-price: label. * Consigned date: label. * Product’s status: label. * Product’s owner:   + Name: label.   + Address: label.   + Phone: label.   + Email: label.   + Payment method: label. * Store owner’s name: label. * System also shows: * “Cancel” button for guest to click and cancel consignment. * “Back” button for guest to go back to view listed consigned products.   [Alternative 1] |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Customer clicks “Back” button. | System shows listed consigned products. |   **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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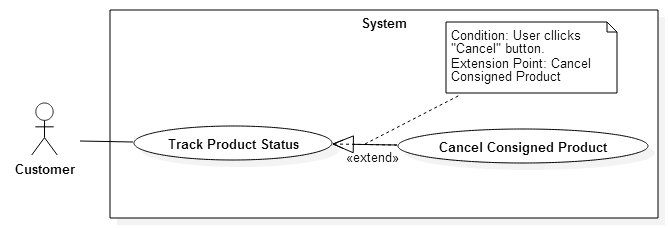
**Figure 5: <Guest> Cancel consigned product**

**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 sends canceling consigned product command.   **Preconditions**:   * Guest is at “Track product” page. * Guest is viewing a consigned product’s 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 sends canceling consigned product command. | 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 sends canceling consigned product command.   **Preconditions**:   * User logged in as Customer. * Customer is viewing details of a consigned product. * 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 sends canceling consigned product command. | Product’s 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. | | | |