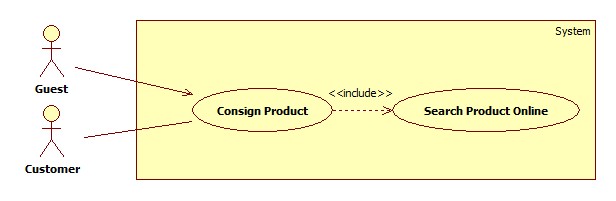
1. **<Guest> Consign product**

**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 * Customer   **Summary**:   * This use case allows user to send consigning-product request.   **Goal**:   * User sends consigning requests successfully.   **Triggers**:   * User sends command to consign product.   **Preconditions**: N/A  **Post Conditions**:   * **Success**: Show success message. * **Fail:** Show error message.   **Main Success Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User sends command to consign product. | System requires user to input following information of product:   * “Tên sản phẩm”:   + Free text input.   + Min-length: 5 characters.   + Max-length: 50 characters.   + Required. * “Mã số”:   + Free text input.   + Required. * “Loại”:   + Option (example: Giày, Áo, Quần, Thắt lưng…).   + Required. * “Hãng”:   + Free text input.   + Max-length: 50 characters. * “Độ Mới”:   + Free text input.   + Format: number 1 -> 100   + Required. * “Mô tả”: free text input.   Systems also shows following component:   * “Bước kế”: send command completed inputting values.   [Exception: 1, 2, 3, 4] | | 2 | User inputs and sends product’s information to system.  [Alternative 1, 2, 3, 4] | System calls “Search Product Online” function to get a list of products with provided product’s information. System then show this list to user with following information:   * “Tên”: label. * “Hình ảnh”: link. * “Chọn”: user chooses one of listed products. System will default choose first product.   Systems also shows following component:   * “Trở về”: send command to go back to providing-product’s information step. * “Bước kế”: send command to finish choosing product. | | 3 | User chooses a product and inform system.  [Alternative 5, 6, 7] | System get chosen product and get its price as basic price. System gets all suitable stores for product based on category, calculates suggested price of each store then shows it to user with following information:   * “Tên”: label. * “Địa chỉ”: label. * “Giá”: label. * “Chọn”: user chooses one of listed stores. System will default choose first store.   When user has already choose a store, system will require user to input:   * “Giá mong muốn”:   + Free text input:   + Format: number   + Required.   Systems also shows following component:   * “Trở về”: Send command to go back to product-choosing step. * “Bước kế”: Send command to finish choosing store.   [Exception 5] | | 4 | User chooses a store and informs system.  [Alternative 8, 9] | System requires user to provide personal information listed below:   * “Tên”:   + Free text input.   + Min-length: 5 characters.   + Max-length: 50 characters.   + Required. * “Địa chỉ”: free text input. * “Điện thoại”:   + Free text input.   + Min-length: 9 characters.   + Max-length: 11 characters.   + Number format.   + Required. * Email:   + Free text input.   + Email format. * “Cách thoan toán”: user chooses one of 2 options: “Tiền mặt” and “Tài khoản paypal”. * “Mã tài khoản”: free text input. * “Hình ảnh”:   + A large box for product’s image.   + Required. * “Ngày hẹn”:   + “Từ ngày”:     - User picks a date.     - Default date: the next day.     - Required.   + “Đến ngày”     - User picks a date.     - Default date: the next 4 day.     - Required. * “Cách giao hàng": user chooses one of two options: “Cửa hàng đến nhận” or “Tự mang đến”.   Systems also show following component:   * “Chọn ảnh”: choose an image in user pc (when there is no chosen image). * “Thay ảnh”: change image by choosing one in user’s computer (where there is chosen image). * “Trở về”: send command to go back to store-choosing step. * “Gửi yêu cầu”: send command to complete inputting personal information.   For customer, system will use information of customer’s profile to fill some fields automatically.  For guest, the first time guest consigns, system will save information and save it for the next time guest consign. But it will only last a short time.  [Exception 6, 7, 8, 9, 10, 11,12] | | 5 | User inputs and sends personal information to system.  [Alternative 10, 11, 12, 13, 14, 15, 16] | System completes consigning request with all the information user provides. A successful message will be shown with information about consigned product. |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | User types in “Tên sản phẩm” input in providing-product’s information step. | “Mã sản phẩm” will be disabled and cannot be typed. System will text in “Tên sản phẩm” field to check similar products online. | | 2 | User deletes text in “Tên sản phẩm” input in providing-product’s information step. | Mã sản phẩm” will be enabled and can be typed. | | 3 | User types in “Mã sản phẩm” input in providing-product’s information step. | “Tên sản phẩm” will be disabled and cannot be typed. System will text in “Mã sản phẩm” field to check exact products online. | | 4 | User deletes text in “Mã sản phẩm” input in providing-product’s information step. | Mã sản phẩm” will be enabled and can be typed. | | 5 | User sends request to go back to providing-product’s information step in product-choosing step. | Systems shows providing product’s info step. | | 6 | System find exact products online with provided information when searching product by “Mã sản phẩm” in product-choosing step. | System will show user store-choosing step with suggested prices of each store. | | 7 | System cannot find any products online with provided information when searching product by “Tên sản phẩm” in product-choosing step. | System will show user store-choosing step without suggested price. Instead of that in “Giá” information will show “Thương lượng” text. | | 8 | User sends request to go back to product-choosing step in store-choosing step when system can find list of products with provided product’s information. | System will show user product-choosing step. | | 9 | User sends request to go back to product-choosing step in store-choosing step when system cannot find any product online with provided product’s information. | System will show user providing product’s information step. | | 10 | User have already chosen a product in product-choosing step. | “Hình ảnh” will show an image of chosen product automatically. | | 11 | User chooses “Tiền mặt” option in providing personal info step. | “Mã tài khoản” free text input will be hidden. | | 12 | User chooses “Tài khoản paypal” option in providing personal info step. | “Mã tài khoản” free text input will be shown and be required. | | 13 | User selects image in providing product’s info step. | System requires user to browse image in user’s computer and upload on page. | | 14 | User changes image in providing product’s info step. | System requires user to browse image in user’s computer and upload on page. | | 15 | User removes image in providing product’s info step. | Image is removed. | | 16 | User sends request to go back to store-choosing step. | Systems shows store-choosing step. |   **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | “Tên sản phẩm” text input and “Mã sản phẩm” text input are empty | System shows error message: “Xin nhập tên hoặc mã sản phẩm”. | | 2 | Inputted value of “Tên sản phẩm” field is less than 5 characters or longer than 100 characters. | System shows error message: “Yêu cầu 5 đến 100 ký tự”. | | 3 | “Loại” is not selected. | System shows error message: “Xin chọn loại sản phẩm”. | | 4 | Cannot find products with provided “Mã sản phẩm”. | System shows error message: “Không thể tìm thấy sản phẩm với mã số này”. | | 5 | “Giá mong muốn” is empty or not number format | System shows error message: “Xin nhập đúng giá”. | | 5 | Inputted value of “Full name” field is less than 5 characters or longer than 50 characters. | System shows error message: “Tên phải từ 5 đến 50 ký tự”. | | 6 | “Từ ngày” date is not selected. | System shows error message: “Xin chọn ngày hẹn đầu”. | | 7 | “Đến ngày” date is not selected. | System shows error message: “Xin chọn ngày hẹn cuối”. | | 8 | “Từ ngày” date is bigger than “Đến ngày” date. | System shows error message: “Từ ngày phải nhỏ hơn đến ngày”. | | 9 | Inputted value of “Điện thoại” field is empty or invalid. | System shows error message: “Xin nhập đúng số điện thoại”. | | 10 | Inputted value of “Email” field is not empty and invalid. | System shows error message: “Xin nhập đúng email”. | | 11 | Inputted value of “Mã tài khoản” field is empty or invalid. | System shows error message: “Xin nhập đúng mã tài khoản”. |   **Relationships**:   * Including use-case: Include Search Product Online.   **Business Rules**:   * If user provides correct UPC, system will find correct product. * If user provides name not UPC in providing-product’s information step, system fill find online similar product with information of “Tên sản phẩm”, “Loại” and “Hãng” (not necessary) then return a list of product with similar information and show it to user. System also shows a message: “Nếu không tìm thấy sản phẩm của bạn, có thể bạn đã nhập sai tên. Vui lòng nhấn quay lại để sửa thông tin”. * If list of products is too much (greater than 10 items) or empty (no item), system will skip product-choosing step and require user choose a store in next step with no suggested price. Store owner will come, check and negotiate with user later when user’s request is accepted. * In store-choosing step, system finds stores that sell this kind of product, based on their category. Then system uses price of chosen product in product-choosing step as basic price. System will calculate suggestion price for each store based on basic price and formula of each store. System also shows a message: “Giá cửa hàng đề nghị có thể không chính xác. Cửa hàng sẽ kiểm tra và định giá chính xác khi đến nhận hàng”. * Formula for suggested price: * If there is no product found online, there will be no suggest price. Instead of that, In “Giá” column will show “Thương lượng” and a message: “Chúng tôi không thể tìm thấy sản phẩm của bạn. Cửa hàng sẽ lưu lại yêu cầu ký gửi này và định giá sản phẩm của bạn khi đến nhận hàng” will be shown. * After sending consignment request, user will receive a code to track product’s status and also consignment’s status. User can also use it to cancel consignment or extend it. * Store owner will contact and receive product on one of the day user chose. But store owner has the right to refuse request if it’s not what store owner need, and also refuse accepting product when checking it if product doesn’t resemble the information user provided. * For customer, store owner will use information in consignment, not customer’s information. So that, consignor is no need to be customer. But this deal will be saved in customer’s history. | | | |

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

**Use Case Diagram**



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

**Use Case Specification**

|  |  |  |  |
| --- | --- | --- | --- |
| **USE CASE – DHP02** | | | |
| **Use Case No.** | DHP02 | 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 shows guest following:   * “Mã sản phẩm”: free text input * “Kiểm tra”: send command to track product’s status. | | 2 | Guest inputs “Mã sản phẩm” and sends command to track product’s status. | System finds product with provided code and shows guest with following information:   * “Hình ảnh”: A large field to show image of product. * “Tên sản phẩm”: label. * “Loại”: label. * “Hãng”: label * “Ngày ký gửi”: label. * “Trạng thái”: label. * “Người ký gửi”:   + “Tên”: label.   + “Địa chỉ”: label.   + “Điện thoại”: label.   + “Email”: label. * “Cửa hàng”: label.   System also shows following:   * “Hủy ký gửi”: send command to cancel consignment.   [Exception: 1, 2] |   **Alternative Scenario**: N/A  **Exceptions**:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Inputted value of “Mã sản phẩm” field is empty. | System shows error message: “Xin nhập mã sản phẩm”. | |  | System cannot find product with inputted “Mã sản phẩm”. | System shows error message: “Sản phẩm với mã số này không tồn tại”. |   **Relationships**:   * Extending Use-case: Cancel Consigned Product (Guest sends a request to cancel a consigned products) and Extend Consigned Product (Guest send a request to extend product).   **Business Rules**:   * Guest can only track product’s status by code. * Code is ID of consignment. * User can only cancel product before it is ordered. | | | |

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

**Use Case Diagram**



**Figure 4: <Customer> 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**:   * 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:   * “Tên sản phẩm”: label. * “Mã ký gửi”: label. * “Ngày ký gửi”: label. * “Giá ký gửi”: label. * “Trạng thái”: label.   Each row will have a “Xem” component for viewing details of a consigned product. | | 3 | Customer chooses a consigned product to view details. | System shows consigned product’s details with following information:   * “Hình ảnh”: A large field to show image of product. * “Tên sản phẩm”: label. * “Loại”: label. * “Hãng”: label * “Ngày ký gửi”: label. * “Trạng thái”: label. * “Người ký gửi”:   + “Tên”: label.   + “Địa chỉ”: label.   + “Điện thoại”: label.   + “Email”: label. * “Cửa hàng”: label.   System also shows following:   * “Hủy ký gửi”: send command to cancel consignment. |   **Alternative Scenario**: N/A  **Exceptions**: N/A  **Relationships**:   * Extending Use-case: Cancel Consigned Product (Customer sends request to cancel a consigned product).   **Business Rules**:   * Customer can view consigned products of all consignments that had been done in history. * User can only cancel product before it is ordered. | | | |

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

**Use Case Diagram**



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

**Use Case Specification**

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| --- | --- | --- | --- |
| **USE CASE – DHP04** | | | |
| **Use Case No.** | DHP04 | 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 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.  [Alternative 1, 2] | System shows a confirming message if guest really wants to cancel this consigned product with two options “Đồng ý” and “Không”. | |  | Guest chooses “Đồng ý” option.  [Alternative 3] | Product’s status is changed to “Đã hủy” or “Đăng ký hủy”. |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Guest sends canceling consigned product command when product is not received | System shows a message to make sure they really want to cancel it with 2 options: “Đồng ý” or “Không”. | | 2 | Guest sends canceling consigned product command when product is already received but not ordered. | System shows a message to make sure they really want to cancel it with a price for storing product and 2 options: “Đồng ý” hoặc “Không”. | | 3 | Guest chooses “No” option. | Message will disappear. |   **Exceptions**: N/A  **Relationships**:   * Extended Use-case: Track product status.   **Business Rules**:   * Guest can only cancel product before it’s ordered. * 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 and pay a forfeit for canceling consignment. 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**



**Figure 6: <Customer> 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**:   * 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.  [Alternative 1,2] | System shows a confirming message if customer really wants to cancel this consigned product with two options “Đồng ý” and “Không”. | |  | Customer chooses “Đồng ý” option.  [Alternative 3] | Product’s status is changed to “Đã hủy” . |   **Alternative Scenario**:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Customer sends canceling consigned product command when product is not received | System shows a message to make sure they really want to cancel it with 2 options: “Đồng ý” or “Không”. | | 2 | Customer sends canceling consigned product command when product is already received but not ordered. | System shows a message to make sure they really want to cancel it with a price for storing product and 2 options: “Đồng ý” hoặc “Không”. | | 3 | Guest chooses “No” option. | Message will disappear. |   **Exceptions**: N/A  **Relationships**:   * Extended Use-case: Track product status.   **Business Rules**:   * Customer can only cancel product before it’s ordered. * 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 and pay a forfeit for canceling consignment. 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. | | | |