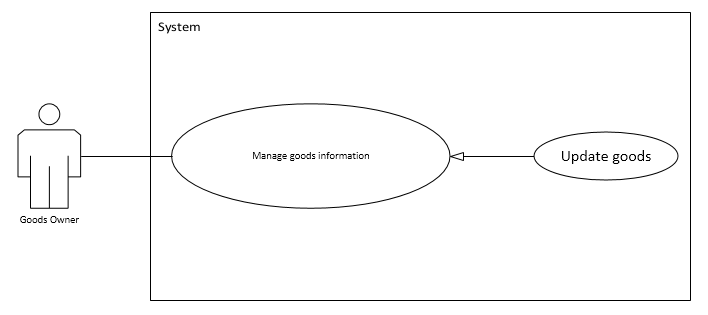
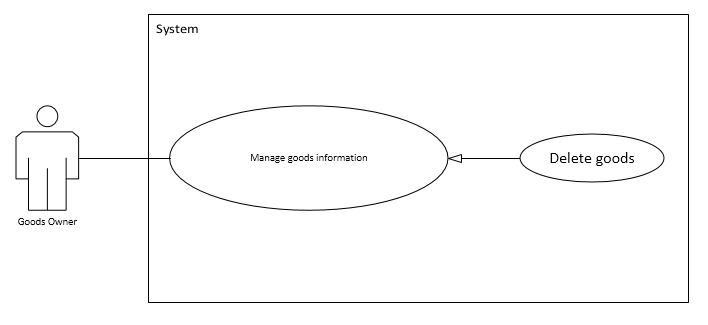


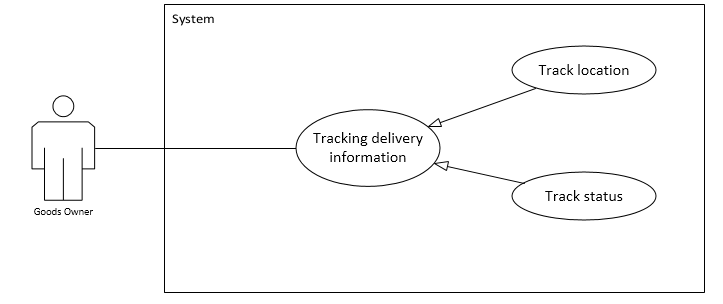
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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Manage goods information – Create goods | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to create a new goods  **Goal:** Add a new goods  **Triggers:** Goods owner click on “Đăng hàng” button  **Preconditions:**   * Goods doesn’t exist in database. * Goods owner must log in to the system with role goods owners. * Goods owner choose create goods function.   **Post Conditions:**   * **Success:** A new goods will be added to database * **Fail:** Goods will not be added. Error message will be shown.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner choose “Đăng hàng” function. | System navigates to add goods page.   * Loại hàng: drop down list, required. * Khối lượng: textbox, min length: 1, max length: 3, min value: 1, max value: 999, required. * Thời gian gửi hàng: datepicker, timepicker, date range: current date – 1/1/2099, required. * Thời gian giao hàng: datepicker, timepicker, date range: thời gian gửi hàng – 1/1/2099, required. * Địa điểm nhận hàng: textbox, min length: 1, max length: 50, required. * Địa điểm giao hàng: textbox, min length: 1, max length: 50, required. * Ghi chú: textbox, min length: 1, max length: 100, not required * Tạo mới: button | | 2 | Input field. |  | | 3 | Click on “Tạo mới” button | New goods will be added to database and show “Bạn đã thêm hàng thành công”.  [Exception 1,2,3,4,5,6,7,8,9] |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click on “Tạo mới” button | New goods is not created. Show error message: “Hệ thống không thể thêm hàng hóa”. | | 2 | “Loại hàng” is empty | Show error message: “Vui lòng chọn loại hàng”. | | 3 | “Khối lượng” is empty | Show error message: “Vui lòng điền khối lượng của hàng”. | | 4 | “Thời gian gửi hàng” is empty | Show error message: “Vui lòng chọn ngày gửi hàng”. | | 5 | “Thời gian gửi hàng” is empty | Show error message: “Vui lòng chọn giờ gửi hàng”. | | 6 | “Thời gian giao hàng“ is empty | Show error message: “Vui lòng chọn ngày giao hàng”. | | 7 | “Thời gian giao hàng” is empty | Show error message: “Vui lòng chọn giờ giao hàng”. | | 8 | “Địa điểm nhận hàng” is empty | Show error message: “Vui lòng chọn địa điểm gửi hàng”. | | 9 | “Địa điểm giao hàng” is empty | Show error message: “Vui lòng chọn địa điểm giao hàng”. | | 10 | Not input “Khối lượng” with number | Show error message: “Vui lòng điền khối lượng bằng số”. | | 11 | “Thời gian nhận hàng” is later than current date | Show error message: “Vui lòng chọn ngày gửi hàng trễ hơn ngày hôm nay”. | | 12 | “Thời gian giao hàng” is later than “Thời gian nhận hàng” | Show error message: “Vui lòng chọn ngày giao hàng trễ hơn ngày gửi hàng”. | | 13 | “Ghi chú” is longer than 100 words | Show error message: “Ghi chú chỉ có giới hạn 100 ký tự”. | | 14 | “Khối lượng” is longer than 3 words | Show error message: “Khối lượng chỉ có giới hạn 3 ký tự”. | | 15 | “Khối lượng” is bigger than 999 | Show error message: “Khối lượng phải nhỏ hơn 999”. |   **Relationships:** N/A  **Business Rules:**   * Goods is added to database with active state. * Distance between pick-up location and delivery location is at least 50 km. * System will notified owner if the goods is added successfully or not. * Delivery date must be later than pickup date, and both of them must be later than current date. * “Khối lượng” is weighted by ton. | | | |

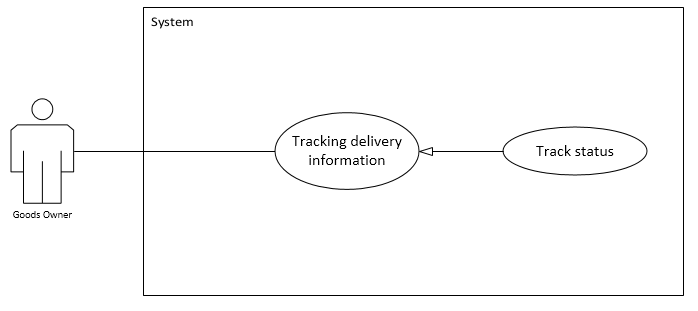


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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Manage goods information – Update goods | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to update existed goods  **Goal:** Update existed goods  **Triggers:** Goods owner click on a goods in “Hàng hóa” tab  **Preconditions:**   * Goods exists in database. * Goods owner must log in to the system with role goods owners. * Goods owner choose update goods function. * Goods is not in deal.   **Post Conditions:**   * **Success:** Goods will be updated with new information * **Fail:** Goods will not be updated. Error message will be shown.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner click on a goods in “Hàng hóa” tab. | System navigates to update goods page.   * Loại hàng: drop down list, raw source from database, required. * Khối lượng: textbox, float > 0, required. * Thời gian gửi hàng: datetime picker, required. * Địa điểm nhận hàng: longitude and latitude from maps, required. * Địa điểm giao hàng: longitude and latitude from maps, required * Ghi chú: textbox, length < 100, optional * Giá đề nghị: textbox, not editable. * Cập nhật: button * Hủy: button | | 2 | Modify field.  [Exception 1,2,3,4,5,6,7,8] |  | | 3 | Click on “Cập nhật” button  [Exception 9] [Alternative 1] | New goods will be added to database and show “Bạn đã cập nhật hàng thành công”. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click on “Hủy” button | System returns to previous page. Goods is not updated |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Load’s category is not specified | Show error message: “Vui lòng chọn loại hàng”. | | 2 | Load’s weight is not specified | Show error message: “Vui lòng điền khối lượng của hàng”. | | 3 | Load’s pick-up date is not specified | Show error message: “Vui lòng chọn ngày nhận hàng”. | | 4 | Load’s pick-up address is not specified | Show error message: “Vui lòng chọn địa điểm nhận hàng”. | | 5 | Load’s delivery address is not specified | Show error message: “Vui lòng chọn địa điểm giao hàng”. | | 6 | Load’s note is longer than 100 words | Show error message: “Ghi chú chỉ có giới hạn 100 từ”. | | 7 | Input weight with string | Show error message: “Vui lòng điền khối lượng bằng số”. | | 8 | Input pick-up date earlier than current date | Show error message: “Vui lòng chọn ngày nhận hàng trễ hơn ngày hôm nay”. | | 9 | Click on “Đồng ý” button | Cannot update goods. Show error message: “Hệ thống không thể cập nhật hàng hóa”. |   **Relationships:** Manage goods  **Business Rules:**   * Goods must exist in database. * Goods is not in deal with any drivers. * Pick-up date must be ahead of current date. * Weight is scale by ton. * Recommend price is made by the system bases on our policy. | | | |

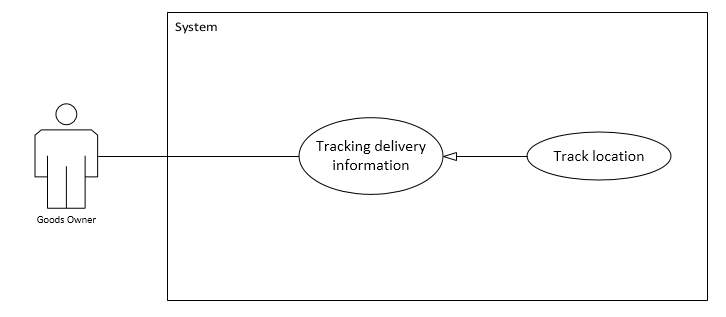


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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Manage goods – Delete goods | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to delete goods.  **Goal:** Goods will be removed from the system.  **Triggers:** Goods owner click “Xóa hàng” button in goods information page  **Preconditions:**   * Goods owner must log in to the system with role goods owners. * Goods exists in the system. * Goods is not in deal with any drivers. * Goods owner chooses delete goods function   **Post Conditions:**   * **Success:** Goods will be deleted from database * **Fail:** Goods is not deleted. Error message will be shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner choose “Xóa hàng” function. | System shows comfirm pop-up: “Bạn có muốn xóa hàng không?”   * Đồng ý: button * Hủy: button | | 2 | Click on “Đồng ý” button.  [Exception 1] | Goods is deleted from database |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click on “Hủy” button | Pop-up is turn-off. Goods is not deleted |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Click on “Đồng ý” button | Goods is not deleted. Show error message: “Chức năng hiện đang bị lỗi. Xin thử lại sau” |   **Relationships:** Manage goods  **Business Rules:**   * Goods must exists in the system. * Goods is not in deal with any drivers. | | | |

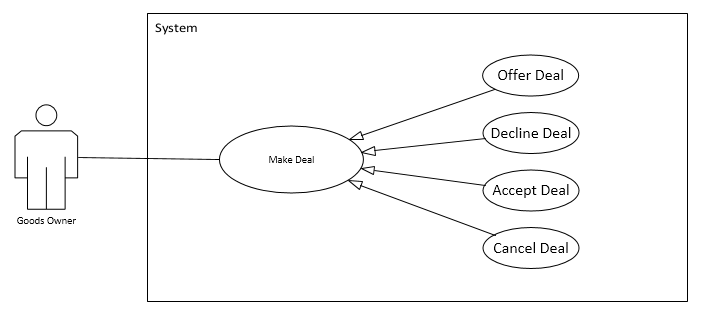


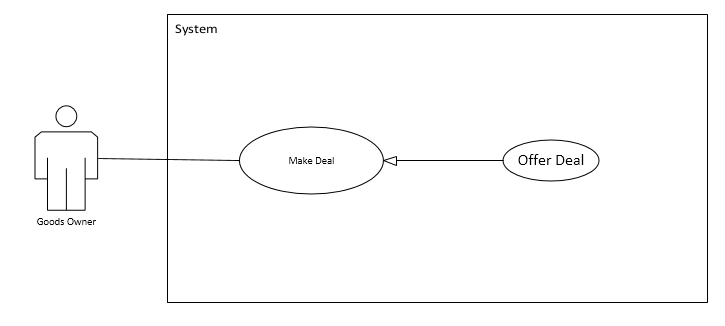


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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Tracking delivery information – Track status | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to track delivery status.  **Goal:** To know the current status of goods delivery.  **Triggers:** Goods owner clicks on “Trạng thái hàng” tab  **Preconditions:**   * Goods owner must log in to the system with role goods owners. * Goods is accepted between driver and owner.   **Post Conditions:**   * **Success:** Satus of the goods is shown next to goods id * **Fail:** Status is not shown. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner clicks “Trạng thái hàng” tab  [Exception 1,2] | System navigates to tracking page. System shows list of goods with current status |   **Alternative Scenario:** N/A  **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Goods owner clicks “Trạng thái hàng” tab | Status is not shown. Show error message: “Không thể tải trạng thái của hàng. Xin thử lại sau.” | | 2 | Goods owner clicks “Trạng thái hàng” tab | No goods are shown. Show error message: “Không thể tải danh sách hàng. Xin thử lại sau” |   **Relationships:** Tracking delivery information  **Business Rules:**   * Goods is accepted between driver and owner. * Status are: “Hàng đang giao, hàng đã gửi” | | | |

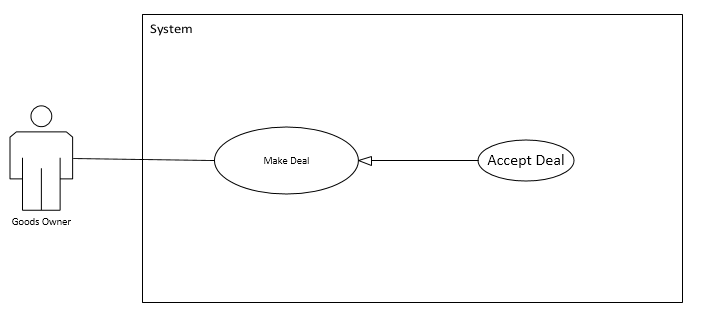


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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Tracking delivery information – Track location | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to track delivery location.  **Goal:** To know the current location of goods delivery.  **Triggers:** Goods owner chooses tracking function  **Preconditions:**   * Goods owner must log in to the system with role goods owners. * Goods is being delivered by driver.   **Post Conditions:**   * **Success:** Location of the goods is shown * **Fail:** Location is not shown. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner click “Trạng thái hàng” tab.  [Exception 1] | System navigates to tracking page. System shows list of goods with current status | | 2 | Goods owner chooses a goods to track  [Exception 2] | System show a map with current location of goods. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Goods owner click “Trạng thái hàng” tab | No goods are shown. Show error message: “Không thể tải danh sách hàng. Xin thử lại sau.” | | 2 | Goods owner chooses a goods to track | Location is not shown. Show error message: “Không thể tải vị trí của hàng. Xin thử lại sau” |   **Relationships:** Tracking delivery information  **Business Rules:**   * Goods is being delivered by driver. * Location are based on driver’s GPS. | | | |

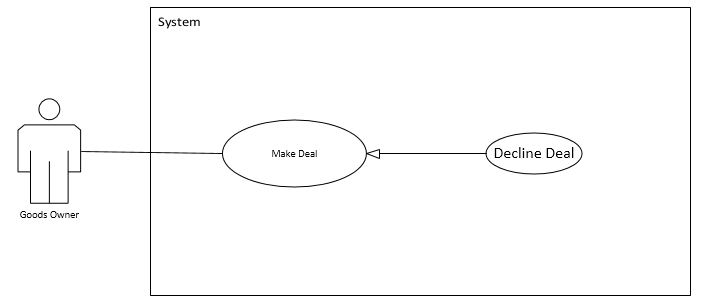




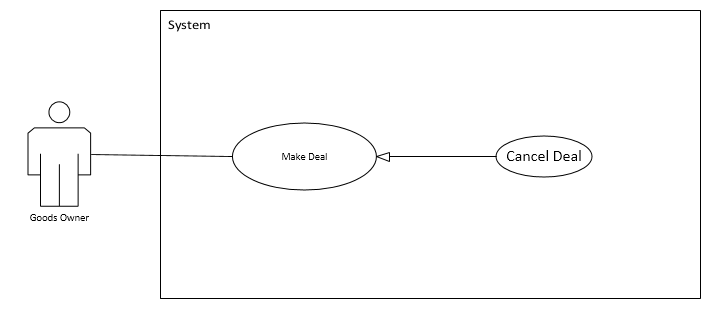
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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Make deal – Offer deal | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to offer deal to truck driver.  **Goal:** To start a new deal with truck driver.  **Triggers:** Goods owner choose “Đề nghị giao dịch” in truck driver’s information page.  **Preconditions:**   * Goods owner must log in to the system with role goods owners. * Driver is not in deal with you   **Post Conditions:**   * **Success:** New deal is sent to truck driver * **Fail:** Deal is not sent. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | In driver suggestion page, owner click on a driver he wants to deal | System navigates to truck driver’s information page. | | 2 | Owner clicks on “Đề nghị giao dịch” button  [Exception 1] | A new deal is sent to truck driver. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Goods owner click “Hủy” button | System returns to previous page. No deal is sent. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Owner clicks on “Đề nghị giao dịch” button | New deal is not sent. Show error message: “Đề nghị đã không được gửi. Xin thử lại sau” |   **Relationships:** Make deal  **Business Rules:**   * Truck driver is not in deal with goods owner. * Goods owner can send deal to unlimited truck driver. | | | |



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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Make deal – Accept deal | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to accept a deal sent from truck driver.  **Goal:** The deal will be made official between driver and owner.  **Triggers:** Goods owner click “Chấp nhận” in deal information page.  **Preconditions:**   * Goods owner must log in to the system with role goods owners. * The deal still exists.   **Post Conditions:**   * **Success:** The deal sent from truck driver is accepted * **Fail:** Deal is not accepted. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner choose “Chấp nhận” function. | Deal is made official. Message is shown: “Đề nghị đã được chấp nhận”. Display truck driver contact information. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | |  |  |  |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Goods owner click “Chấp nhận” button | Deal is still not accepted. Error message is shown: “Đề nghị vẫn chưa được chấp nhận. Xin thử lại sau” |   **Relationships:** Make deal  **Business Rules:**   * Deal between goods owner and truck driver still exists. * When deal is accepted, truck driver contact information will be shown. * Deal in “Giao dịch” tab will turn green when it’s official. | | | |



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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Make deal – Decline deal | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to decline a deal sent from truck driver.  **Goal:** The deal will be declined.  **Triggers:** Goods owner click “Từ chối” in deal information page.  **Preconditions:**   * Goods owner must log in to the system with role goods owners. * The deal still exists.   **Post Conditions:**   * **Success:** The deal sent from truck driver is declined * **Fail:** Deal is not declined. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner choose “Từ chối” function. | Deal is declined. Message is shown: “Bạn đã từ chối đề nghị”. Deal is removed from deal page. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | |  |  |  |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Goods owner click “Từ chối” button | Deal is still not accepted. Error message is shown: “Đề nghị vẫn chưa được hủy. Xin thử lại sau” |   **Relationships:** Make deal  **Business Rules:**   * Deal between goods owner and truck driver still exists. * When deal is declined, it will be removed from list of deals page. | | | |



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| **USE CASE – CPS001** | | | |
| **Use Case No.** |  | **Use Case Version** | 2.0 |
| **Use Case Name** | Make deal – Cancel deal | | |
| **Author** | ThinhDP | | |
| **Date** |  | **Priority** | High |
| **Actor:** Goods owner  **Summary:** This use case allows goods owner to cancel the deal he sent to driver.  **Goal:** The deal will be cancel.  **Triggers:** Goods owner click “Hủy đề nghị” in deal information page.  **Preconditions:**   * Goods owner must log in to the system with role goods owners. * Driver hasn’t accepted the deal yet.   **Post Conditions:**   * **Success:** A deal sent by owner will be cancel * **Fail:** Deal is not cancel. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Goods owner choose “Hủy đề nghị” function. | Deal is cancel. Message is shown: “Bạn đã hủy đề nghị”. Deal sent by owner will be cancel. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | |  |  |  |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Goods owner click “Hủy đề nghị” button | Deal is still not accepted. Error message is shown: “Đề nghị vẫn chưa được hủy. Xin thử lại sau” |   **Relationships:** Make deal  **Business Rules:**   * The deal is not accepted by driver yet. * When deal is cancel, it will be removed from “Giao dịch” tab | | | |