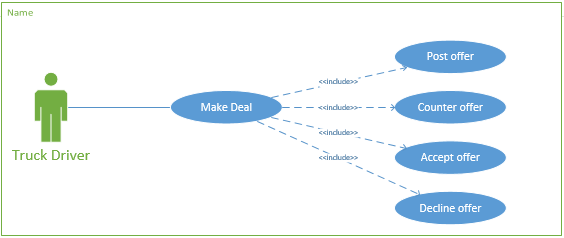


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| **USE CASE – FTS001** | | | |
| **Use Case No.** | FTS001 | **Use Case Version** | 1.0 |
| **Use Case Name** | Post information | | |
| **Author** | Nguyen Quang Thien | | |
| **Date** | 14/01/2015 | **Priority** | High |
| **Actor:**   * Truck Driver   **Summary:**   * Truck drivers post information about their road to the system.   **Goal:**   * Truck driver’s information is added to the system.   **Triggers:**   * Truck driver clicks “Tạo mới đường đi” menu on sidebar.   **Preconditions:**   * User logs in as truck driver.   **Post Conditions:**   * **Success:** Information is posted to the system. * **Fail:** No information is posted. Error message is shown.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Tạo mới đường đi” menu. | Navigate to “Tạo mới đường đi” page which contains:   * Điểm bắt đầu: textbox, required * Giờ bắt đầu: time picker, required * Ngày bắt đầu: day picker, required * Điểm kết thúc: textbox, required * Giờ kết thúc: time picker, required * Ngày kết thúc: day picker, required * Tải trọng: textbox, required * Tạo mới: button * Quay lại: button | | 2 | Truck driver fills necessary information into the form. |  | | 3 | Truck driver clicks “Tạo mới” button [Alternative 1][Exception 1, 2, 3 ,4 ,5 ,6 ,7 ,8 ,9, 10] | Road’s information is added to database, success message “Đã tạo mới đường đi thành công” is shown. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Quay lại” button | Redirect truck driver to “Đường đi hiện hành” page |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Truck driver clicks “Tạo mới” button. | No information is added to database. Error message “Có lỗi xảy ra. Vui lòng thử lại sau.” is shown. | | 2 | “Điểm bắt đầu” field is empty. | Error message “Điểm bắt đầu không được để trống.” is shown. | | 3 | “Giờ bắt đầu” field is empty | Error message “Giờ bắt đầu không được để trống.” is shown | | 4 | “Ngày bắt đầu” field is empty | Error message “Ngày bắt đầu không được để trống.” is shown | | 5 | “Điểm kết thúc” field is empty. | Error message “Điểm kết thúc không được để trống.” is shown. | | 6 | “Giờ kết thúc” field is empty. | Error message “Giờ kết thúc không được để trống.” is shown. | | 7 | “Ngày kết thúc” field is empty. | Error message “Ngày kết thúc không được để trống.” is shown. | | 8 | “Ngày kết thúc” is earlier than “Ngày bắt đầu” | Error message “Ngày bắt đầu không được trễ hơn ngày kết thúc” is shown. | | 9 | “Tải trọng” field is empty. | Error message “Tải trọng không được để trống.” is shown. | | 10 | * “Tải trọng” field data is not a number. * “Tải trọng” field data is negative number. | Error message “Tải trọng không hợp lệ. Vui lòng điền lại.” is shown. |   **Relationships:** Manage Road Info  **Business Rules:**   * A driver can only post a new road’s information when there is no current road’s information available | | | |

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| **USE CASE – FTS002** | | | |
| **Use Case No.** | FTS002 | **Use Case Version** | 1.0 |
| **Use Case Name** | Update road’s information | | |
| **Author** | Nguyen Quang Thien | | |
| **Date** | 14/01/2015 | **Priority** | High |
| **Actor:**   * Truck Driver   **Summary:**   * Truck drivers can update posted information about their road to the system.   **Goal:**   * Truck driver’s information is updated to the system.   **Triggers:**   * Truck driver clicks “Thay đổi đường đi” menu on sidebar.   **Preconditions:**   * User logs in as truck driver.   **Post Conditions:**   * **Success:** New information is updated to the system. * **Fail:** No information is updated. Error message is shown.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Thay đổi đường đi” menu. | Navigate to “Thay đổi đường đi” page which contains:   * Điểm bắt đầu: textbox, required * Giờ bắt đầu: time picker, required * Ngày bắt đầu: day picker, required * Điểm kết thúc: textbox, required * Giờ kết thúc: time picker, required * Ngày kết thúc: day picker, required * Tải trọng: textbox, required * Thay đổi: button * Quay lại: button   Old data are loaded to the fields | | 2 | Truck driver updates necessary information into the form. |  | | 3 | Truck driver clicks “Thay đổi” button [Alternative 1][Exception 1, 2, 3 ,4 ,5 ,6 ,7 ,8 ,9, 10] | Road’s information is updated to database, success message “Đã cập nhật đường đi thành công” is shown. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Quay lại” button | Redirect truck driver to “Đường đi hiện hành” page |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Truck driver clicks “Thay đổi” button. | No information is added to database. Error message “Có lỗi xảy ra. Vui lòng thử lại sau.” is shown. | | 2 | “Điểm bắt đầu” field is empty. | Error message “Điểm bắt đầu không được để trống.” is shown. | | 3 | “Giờ bắt đầu” field is empty | Error message “Giờ bắt đầu không được để trống.” is shown | | 4 | “Ngày bắt đầu” field is empty | Error message “Ngày bắt đầu không được để trống.” is shown | | 5 | “Điểm kết thúc” field is empty. | Error message “Điểm kết thúc không được để trống.” is shown. | | 6 | “Giờ kết thúc” field is empty. | Error message “Giờ kết thúc không được để trống.” is shown. | | 7 | “Ngày kết thúc” field is empty. | Error message “Ngày kết thúc không được để trống.” is shown. | | 8 | “Ngày kết thúc” is earlier than “Ngày bắt đầu” | Error message “Ngày bắt đầu không được trễ hơn ngày kết thúc” is shown. | | 9 | “Tải trọng” field is empty. | Error message “Tải trọng không được để trống.” is shown. | | 10 | * “Tải trọng” field data is not a number. * “Tải trọng” field data is negative number. | Error message “Tải trọng không hợp lệ. Vui lòng điền lại.” is shown. |   **Relationships:** Manage Road Info  **Business Rules:**   * A driver can only change road’s information when there’s no deal is taking place | | | |

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| **USE CASE – FTS003** | | | |
| **Use Case No.** | FTS003 | **Use Case Version** | 1.0 |
| **Use Case Name** | Delete road’s information | | |
| **Author** | Nguyen Quang Thien | | |
| **Date** | 14/01/2015 | **Priority** | High |
| **Actor:**   * Truck Driver   **Summary:**   * Truck drivers can delete posted information about their road to the system.   **Goal:**   * Truck driver’s information is removed to the system.   **Triggers:**   * Truck driver clicks “Hủy” button on “Đường đi hiện hành”.   **Preconditions:**   * User logs in as truck driver.   **Post Conditions:**   * **Success:** Current information is removed from the system. * **Fail:** No information is removed. Error message is shown.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Hủy” button on “Đường đi hiện hành”Page. | Confirmation message “Bạn có muốn hủy đoạn đường này không?” | | 2 | Truck driver clicks “Có” button [Alternative 1][Exception 1] | Road’s information is removed from database, success message “Đã hủy đường đi thành công” is shown. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Không” button | No information is removed from the system, confirmation message is closed |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Truck driver clicks “Có” button. | No information is removed from database. Error message “Có lỗi xảy ra. Vui lòng thử lại sau.” is shown. |   **Relationships:** Manage Road Info  **Business Rules:**   * A driver can only delete road’s information when there’s no deal is taking place * A driver can only delete road’s information when there’s a road information available | | | |



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| **USE CASE – FTS004** | | | |
| **Use Case No.** | FTS004 | **Use Case Version** | 1.0 |
| **Use Case Name** | Send Offer | | |
| **Author** | Nguyen Quang Thien | | |
| **Date** | 14/01/2015 | **Priority** | High |
| **Actor:**   * Truck Driver   **Summary:**   * Truck driver sends new deal to goods owner   **Goal:**   * Deal is sent to goods owner   **Triggers:**   * Truck driver clicks “Đề nghị” button next to a goods owner suggestion on “Gợi ý của hệ thống” page   **Preconditions:**   * User logs in as truck driver.   **Post Conditions:**   * **Success:** Deal is sent to goods owner * **Fail:** Deal is not sent to goods owner. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck clicks “Đề nghị” button next to a goods owner suggestion on “Gợi ý của hệ thống” page | Redirect to “Đề nghị mới” page with owner’s listed items and 2 textboxes:   * Giá đề nghị: textbox, required * Ghi chú: textbox, max length = 50, not required * Gửi đề nghị: button * Quay lại: button | | 2 | Truck driver clicks “Gửi đề nghị” button [Alternative 1][Exception 1, 2, 3] | Offer is sent to the goods owner truck driver wants to make a deal with. Success message “Đề nghị đã được gửi thành công” is shown. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Quay lại” button | Redirect truck driver to “Gợi ý của hệ thống” page |     **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Truck driver clicks “Gửi đề nghị” button | Offer is not sent. Error message “Có lỗi xảy ra. Vui lòng thử lại sau” is shown. | | 2 | “Giá đề nghị” field is empty | Error message “Giá đề nghị không được để trống” is shown. | | 3 | * “Giá đề nghị” field data is not a number. * “Giá đề nghị” field data is a negative number | Error message “Giá đề nghị không hợp lệ. Vui lòng nhập lại.” is shown. | | 4 | “Ghi chú” field data length is longer than 50 words. | Error message “Ghi chú tối đa dài 50 từ. Vui lòng nhập ngắn hơn.” is shown. |   **Relationships:** Make deal  **Business Rules:**   * When driver make a new offer, total offer goods weight cannot be heavier than truck driver’s payload | | | |

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| **USE CASE – FTS005** | | | |
| **Use Case No.** | FTS005 | **Use Case Version** | 1.0 |
| **Use Case Name** | Accept Offer | | |
| **Author** | Nguyen Quang Thien | | |
| **Date** | 14/01/2015 | **Priority** | High |
| **Actor:**   * Truck Driver   **Summary:**   * Truck driver accepts an offer from goods owner   **Goal:**   * Deal is accepted, goods owner’s information is shown   **Triggers:**   * Truck driver clicks “Chấp nhận” button on “Trả lời đề nghị” page   **Preconditions:**   * User logs in as truck driver.   **Post Conditions:**   * **Success:** Offer is accepted, success message and goods owner information are shown * **Fail:** Offer is not accepted. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Chấp nhận” button on “Trả lời đề nghị” page | Confirmation message “Bạn có chắc chắn không?” is shown. |  | | 2 | Truck driver clicks “Có” button | Offer is accepted. Success message “Đề nghị đã được chấp nhận.” is shown. Displays goods owner contact information. |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Truck driver clicks “Không” button | No offer accepted. “Trả lời đề nghị” page is shown. |   **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Truck driver clicks “Chấp nhận” button on “Trả lời đề nghị” page | Offer is not accepted. Error message “Có lỗi xảy ra. Vui lòng thử lại sau” is shown. |   **Relationships:** Make deal  **Business Rules:**   * System has to check availability of the offer during the time truck driver accepts offer | | | |

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| **USE CASE – FTS006** | | | |
| **Use Case No.** | FTS006 | **Use Case Version** | 1.0 |
| **Use Case Name** | Decline Offer | | |
| **Author** | Nguyen Quang Thien | | |
| **Date** | 14/01/2015 | **Priority** | High |
| **Actor:**   * Truck Driver   **Summary:**   * Truck driver declines an offer from goods owner   **Goal:**   * Deal is declined   **Triggers:**   * Truck driver clicks “Từ chối” button on “Trả lời đề nghị” page   **Preconditions:**   * User logs in as truck driver.   **Post Conditions:**   * **Success:** Offer is declined. Success message is shown * **Fail:** Offer is not declined. Error message is shown   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Từ chối” button on “Trả lời đề nghị” page | Confirmation message “Bạn có chắc chắn không?” is shown. | | 2 | Truck driver clicks “Có” button | Offer is declined. Success message “Đề nghị đã được từ chối.” is shown |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Truck driver clicks “Không” button | No offer is declined. “Trả lời đề nghị” page is shown. |     **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Truck driver clicks “Từ chối” button on “Trả lời đề nghị” page | Offer is not declined. Error message “Có lỗi xảy ra. Vui lòng thử lại sau” is shown. |   **Relationships:** Make deal  **Business Rules:**   * System has to check availability of the offer during the time truck driver decline offer | | | |

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| **USE CASE – FTS007** | | | |
| **Use Case No.** | FTS007 | **Use Case Version** | 1.0 |
| **Use Case Name** | Confirm delivery status | | |
| **Author** | Nguyen Quang Thien | | |
| **Date** | 17/01/2015 | **Priority** | High |
| **Actor:**   * Truck Driver   **Summary:**   * Truck driver confirms delivery status of a deal   **Goal:**   * Delivery status is updated. Sending notification to goods owner.   **Triggers:**   * Truck driver clicks “Đã gửi hàng” button on “Chi tiết giao dịch” page   **Preconditions:**   * User logs in as truck driver.   **Post Conditions:**   * **Success:** Delivery status is updated. Sending notification to goods owner. Success message is shown. * **Fail:** Delivery status is not updated. No notification is sent to goods owner. Error message is shown.   **Main Success Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Respone | | 1 | Truck driver clicks “Đã gửi hàng” button on “Chi tiết giao dịch” page | Confirmation message “Bạn có chắc chắn không?” is shown. | | 2 | Truck driver clicks “Có” button | Delivery status is updated. Sending notification to goods owner. Success message is shown |   **Alternative Scenario:**   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Truck driver clicks “Không” button | Delivery status remains the same. “Chi tiết giao dịch” page is shown. |     **Exceptions:**   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Truck driver clicks “Có” button | Delivery status is not updated. No notification is sent to goods owner. Error message is shown. |   **Relationships:** N/A  **Business Rules:**   * Delivery status updated from truck driver is not the final status of the delivery. Delivery status is marked to completed when goods owner or staff confirm the status. | | | |