# **<Police>**

## Verify card information

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Verify card information | | |
| Author | PhucNH | | |
| Date | 20/06/2015 | **Priority** | High |
| Actor:   * Traffic Police/ Police Department.   Summary:   * Traffic Police and Police Department can use the device to view card’s information and check if the card is valid or not.   Goal:   * Check if the insurance card is valid or not.   Triggers:   * Police put the NFC card near the device to read card information.   Preconditions:   * User must login into the system with role Traffic Police/ Police Department. * The application in home screen.   Post Conditions:   * Success: Show the insurance card information. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Police put the NFC card close to the device. | Show the insurance contract and the motor information:   * Motor owner: Text * Owner address: Text * Phone number: Text * Plate number: Text * Engine: Text * Chassis: Text * Brand: Text * Model Code: Text * Type: Text * Color: Text * Capacity: Text * Year of manufacture: Text * Weight: Text * Seat capacity: Text * Contract fee: Text * Start date: Text * Expired date: Text   [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If unable to read the card or the card is invalid | Show message:”Không thể đọc thông tin thẻ” | | 2 | Can’t connect to server. | Show message: “Không thể kết nối, xin thử lại sau!”. |   Relationships:  Business Rules:   * Highlight the status of the card(“Thẻ hợp lệ”, “Thẻ đã hết hạn”, “Thẻ sắp hết hạn”). | | | |

Add punishment information

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Add punishment information | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | High |
| Actor:   * Traffic Police/ Police Department.   Summary:   * Traffic Police and Police Department can use the device to add punishment information of the driver into database.   Goal:   * Add punishment information of the driver into database.   Triggers:   * The device read NFC card successful.   Preconditions:   * User must login into the system with role Traffic Police/ Police Department. * The application in Verify card screen. * The NFC card is valid.   Post Conditions:   * Success: Add punishment information of the driver into database. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Police touch the “+ “ button to open the menu. | Show the menu includes 2 buttons:   * Thêm thông tin vi phạm. * Thoát | | 2 | Police touch the “Thêm thông tin vi phạm” button.  [Alternative 1] | Display new screen that require police add description about the punishment and a picture of the punishment record.   * A text area for police input the description of the punishment. * A capture button to open camera to take picture of the punishment record. * Record: image. | | 3 | Police fill the punishment information and take a picture of the punishment record from camera. Then click the “Gửi đi” button.  [Alternative 2] | Add punishment information into database.  Show message: “Thêm thông tin vi phạm thành công”.  [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police touch the “Thoát” button. | Return to the home screen. | | 2 | Police touch the “Quay lại” button. | Return to the Verify card page. |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police input missed one of punishment description and picture of punishment record. | Show message: “ Chưa có mô tả về vi phạm hoặc ảnh chụp biên bản vi phạm”. | | 2 | Can’t connect to server. | Show message: “Không thể kết nối đến server, xin thử lại sau!”. |   Relationships:  Business Rules: | | | |

## **<Mobile Application>:**

Verify card validation

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Verify Card Validation | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | Medium |
| Actor:   * Mobile application   Summary:   * This use case to check the validation of card.   Goal:   * The card can be checked the validation.   Triggers:   * The NFC card was put to close to the mobile.   Preconditions:   * The mobile can connect with server to recognize the information.   Post Conditions:   * Success: Show alert to notify this card is validate. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | NFC card was put to close to the device. | -Show the green alert :”Thẻ Hợp Lệ”  [Exception 1] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Can’t connect to server. | Show message: “Không thể kết nối, xin thử lại sau!”. |   Relationships:  Business Rules:  Highlight the status of the card(“Thẻ hợp lệ”, “Thẻ đã hết hạn”, “Thẻ sắp hết hạn”).  Relationships:  Business Rules:   * Information is always loaded from database. * Highlight the status of the insurance contract. | | | |

**Get Contract Information**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Get Contract Informaion | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | Medium |
| Actor:   * Mobile application   Summary:   * This use case helps the user get the information about the contract.   Goal:   * The information belong to card can be get and show on the screen of mobile.   Triggers:   * The application gets the information of contract.   Preconditions:   * The NFC card has checked the validation.   Post Conditions:   * Success: Show the insurance card information. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | NFC card was put to close to the device. | Show the insurance contract and the motor information:   * Motor owner: Text * Owner address: Text * Phone number: Text * Plate number: Text * Engine: Text * Chassis: Text * Brand: Text * Model Code: Text * Type: Text * Color: Text * Capacity: Text * Year of manufacture: Text * Weight: Text * Seat capacity: Text * Contract fee: Text * Start date: Text * Expired date: Text   [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If unable to read the card or the card is invalid | Show message:”Không thể đọc thông tin thẻ” | | 2 | Can’t connect to server. | Show message: “Không thể kết nối, xin thử lại sau!”. |   Relationships:  Business Rules:  Highlight the status of the card(“Thẻ hợp lệ”, “Thẻ đã hết hạn”, “Thẻ sắp hết hạn”).  Relationships:  Business Rules:   * Information is always loaded from database. * Highlight the status of the insurance contract. | | | |

**Update punishment info**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Update punishment info | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | High |
| Actor:   * Mobile application.   Summary:   * Traffic Police and Police Department can use the device to update punishment information of the driver into database.   Goal:   * Update punishment information of the driver into database.   Triggers:   * The mobile application can read NFC card successful.   Preconditions:   * User must login into the system with role Traffic Police/ Police Department. * The mobile application in Verify card screen. * The NFC card is valid.   Post Conditions:   * Success: Update punishment information of the driver into database. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Police touch the “+ “ button to open the menu. | Show the menu includes 2 buttons:   * Thêm thông tin vi phạm. * Thoát | | 2 | Police touch the “Thêm thông tin vi phạm” button.  [Alternative 1] | Display new screen that require police add description about the punishment and a picture of the punishment record.   * A text area for police input the description of the punishment. * A capture button to open camera to take picture of the punishment record. * Record: image. | | 3 | Police fill the punishment information and take a picture of the punishment record from camera. Then click the “Gửi đi” button.  [Alternative 2] | Add punishment information into database.  Show message: “Thêm thông tin vi phạm thành công”.  [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police touch the “Thoát” button. | Return to the home screen. | | 2 | Police touch the “Quay lại” button. | Return to the Verify card page. |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police input missed one of punishment description and picture of punishment record. | Show message: “ Chưa có mô tả về vi phạm hoặc ảnh chụp biên bản vi phạm”. | | 2 | Can’t connect to server. | Show message: “Không thể kết nối đến server, xin thử lại sau!”. |   Relationships:  Business Rules: | | | |

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**System Application**

Notify contract state / expired

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Notify contact stat / expired | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | Medium |
| Actor:   * Web application   Summary:   * This use case helps the user has information about user’s contract state.   Goal:   * The information about the contract will be shown about notify to the user if user’s contract expires.   Triggers:   * User chooses the “Thông Tin Bảo Hiểm” menu.   Preconditions:   * User must login successful.   Post Conditions:   * Success: Show the status of contract and notify to user if their contract close to the deadline. * Fail: The website go to the error page.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User choose ‘Thông Tin Bảo Hiểm’ | Show:   * Status of contract: text * Information about contract: text * Information about motorbike: tex   [Exception 1] | |  |  |  |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If the web system cannot read the information of user | Website goes to error page. | | | | |

**Notify compensation request state**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Notify compensation request status. | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | Medium |
| Actor:   * Web application   Summary:   * This use case helps the user can make the request compensation to company.   Goal:   * The information about request compensation of user is saved.   Triggers:   * User chooses the “Lịch Sử Bồi Thường” menu then choose “Yêu Cầu Bồi Thường”.   Preconditions:   * User must login successful.   Post Conditions:   * Success: The “Yêu cầu bồi thường ” page is shown and the information about request compensation of user is saved. * Fail: The website go to the error page.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User choose ‘Yêu Cầu Bồi Thường’ | Show:   * Information about contract. It includes (contract code, and customer name.) * Information about request compensation.   [Exception 1] | |  |  |  |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If the web system cannot save the information of request compensation | Website goes to error page. | | | | |

**<Staff>**

**Search / filter contract**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Search / filter contract | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | Medium |
| Actor:   * Staff   Summary:   * This use case helps staff can search or filter the information of contract by contract code or customer name.   Goal:   * The information of contract is shown following the request search of staff.   Triggers:   * Staff chooses “Hợp Đồng” menu and filter in text box then click “Tìm Kiếm”.   Preconditions:   * Staff must login successful.   Post Conditions:   * Success: The information of request search is shown. * Fail: The website go to the error page.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff choose ‘Hợp Đồng’   * Staff filter into textbox then click “Tìm Kiếm” | Show:   * Information about contract. It includes (contract code, and customer name, date start, time of contract, status) * Information about request search.   [Exception 1] | |  |  |  |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If the web system cannot find the data following request search of staff | Website shows message “ Không tìm thấy kết quả” | | | | |

## **View contract information**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | View contract information | | |
| Author | TriPQM | | |
| Date | 21/05/2015 | **Priority** | Medium |
| Actor:   * User.   Summary:   * This use case help user view their contract’s information.   Goal:   * User can review their contract’s information.   Triggers:   * User clicks “Thông tin bảo hiểm” tab in the navigation bar.   Preconditions:   * User must login into the system.   Post Conditions:   * Success: Show contract’s information to user. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User clicks “Thông tin bảo hiểm” tab in the navigation bar. | Show information about the insurance and the motor’s information:   * Motor owner: Text * Owner address: Text * Phone number: Text * Plate number: Text * Engine: Text * Chassis: Text * Brand: Text * Model Code: Text * Type: Text * Color: Text * Capacity: Text * Year of manufacture: Text * Weight: Text * Seat capacity: Text * Contract fee: Text * Start date: Text * Expired date: Text |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | |  |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Can’t connect to server. | Show message: “Không thể kết nối, xin thử lại sau!”. |   Relationships:  Business Rules:   * Information is always loaded from database. * Highlight the status of the insurance contract. | | | |

**Print information to NFC card**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 2.0 |
| Use Case Name | Print information to NFC card | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | High |
| Actor:   * Staff   Summary:   * This use case helps staff can print information of contract into NFC card.   Goal:   * The information of NFC can be printed from application on mobile   Triggers:   * Staff find the information of contract then press “In Thông Tin Lên Thẻ”   Preconditions:   * Staff must login successful in mobile application.   Post Conditions:   * Success: Show message “Đã in lên thẻ thành công”. * Fail: Show message “In Thất Bại”.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff filters by name or contract code   * Staff choose “In Thông Tin Lên Thẻ” | Show:   * List data contract of customer. * Show message “Đã In Lên Thẻ Thành Công”   [Exception 1]  [Exception 2] | |  |  |  |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If the application of mobile cannot find request of staff | Shows message “ Không tìm thấy kết quả” | | 2 | If the information of contract can’t print into the NFC card | Show message “In Thất Bại". | | | | |