# **<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 | Mobile shows error to notify police that mobile can’t read this card | | 2 | Can’t connect to server. | Mobile shows error connect to server is fail |   Relationships:  Business Rules:   * Highlight the status of the card include: valid card, expired card, card is close to expire. | | | |

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.   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:  Alternative Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Police chooses new punishment | Mobile allows for police add new punishment. | | 2 | Police chooses add more punishment.  [Alternative 1] | Mobile required police input description about punishment and picture about it.   * Description (required): free text input. * Picture (required) | | 3 | Police fill the punishment information and send punishment.  [Alternative 2] | Mobile sends punishment from police and notify this action is success  [Exception 1]  [Exception 2] |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police touch goes back | Return to the home screen. | | 2 | Police touch goes back | 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. | Mobile reminds that police forgets take a photo for punishment. | | 2 | Can’t connect to server. | Warning that can’t connect to server. |   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: Mobile notifies that card is valid. * Fail: Mobile notifies error.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | NFC card was put to close to the device. | * Mobile notify that card is valid   [Exception 1] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Can’t connect to server. | Notify that connection to server is fail |   Relationships:  Business Rules:  - Highlight the status of the card include: valid card, expired card, card is close to expire.  Relationships:  Business Rules:   * Mobile can connect to server. * 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: Mobile notifies error.   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 | Mobile shows error to notify police that mobile can’t read this card | | 2 | Can’t connect to server. | Mobile shows error connect to server is fail |   Relationships:  Business Rules:  - Highlight the status of the card include: valid card, expired card, card is close to expire.  Relationships:  Business Rules:   * Mobile can connect to server. * 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 * Fail: Mobile notifies error.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Police chooses new punishment | Mobile allows for police add new punishment. | | 2 | Police chooses add more punishment.  [Alternative 1] | Mobile required police input description about punishment and picture about it.   * Description (required): free text input. * Picture (required) | | 3 | Police fill the punishment information and send punishment.  [Alternative 2] | Mobile sends punishment from police and notify this action is success  [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police touch goes back | Return to the home screen. | | 2 | Police touch goes back | 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. | Mobile reminds that police forgets take a photo for punishment. | | 2 | Can’t connect to server. | Warning that can’t connect to server. |   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:   * System   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 information insurance 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 information insurrance | Show:   * Status of contract: text * Information about contract: text * Information about motorbike: text   [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:   * System   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 history punishment menu then choose request the punishment.   Preconditions:   * User must login successful.   Post Conditions:   * Success: The request punishment of user is saved. * Fail: The website go to the error page.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User chooses history of punishment  User requests punishment | Show:   * Information about contract. It includes (contract code, and customer name.)   System required information from user :   * Driver Name (required) : free text input * License Number (required) : free text input * Driver Phone (required) : free text input * Vehicle Capacity (required) : free text input * Driver Address (required) : free text input * Plate (required) : free text input * Place (required) : free text input * Control Department (required) : free text input * Human Damage (required) : free text input * Asset Damage (required) : free text input * Observer (required) : free text input * Compensation Note (required) : free text input * Attachment (required) : free text input * Create Date (required) : free text input * Resolve Date (required) : free text input * Decision (required) : free text input * Resolve Note(required) : free text input   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 contract and filter in text box “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 chooses contract  Staff filter into textbox “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 cannot find the result. | | | | |

## **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 | PhucNH | | |
| 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 information insurance 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 chooses information insurance 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. | System shows error that cannot connect to server. |   Relationships:  Business Rules:   * System can connect to server. * 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: Notify that print success. * Fail: Notify that print fail.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Staff filters by name or contract code  Staff choose print information into card | Show:   * Information of customer * Show message print success   [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 cannot find information from request | | 2 | If the information of contract can’t print into the NFC card | Show message print fail | | | | |