# **User Case**

**PhucNH\_Report\_No3**

# **<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:   * Police   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:   * 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: date * Expired date: date * Card Status: Text   [Alternative 1]  [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If unable to read the card or the card is invalid | Mobile app shows error to notify police that mobile can’t read this card |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Can’t read card | Mobile app notifies that can’t read card | | 2 | Can’t connect to server. | Mobile app shows error connect to server is fail |   Relationships:  Business Rules:   * Mobile application sends request about information card to server and receives information about contract. * Highlight the status of the card include:   + Valid card   + Expired card   + Card is nearly expired, show remaining days | | | |

* 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:   * Police   Summary:   * Traffic Police and Police Department can use the device to add punishment information of the driver.   Goal:   * Add punishment information of the driver.   Triggers:   * Device reads NFC card successful.   Preconditions:   * The application in Verify card screen. * The NFC card is valid.   Post Conditions:   * Success: Add punishment information of the driver. * Fail: Show error message.   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. | Mobile required police input description about punishment and picture about it.   * Description: free text input, required, length 1 - 200 * Picture: file upload input, required | | 3 | Police fill the punishment information and send punishment. | Mobile sends punishment from police and notify this action is success  [Exception 1]  [Exception 2] |   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: N/A  Business Rules:   * Information about punishment will be sent in server and update in contract of user. | | | |

## **<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 app   Summary:   * Mobile app can 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 app can connect with server to recognize the information.   Post Conditions:   * Success: Mobile app notifies that card is valid. * Fail: Mobile notifies error.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Mobile app sends verify request to system | System returns 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: date * Weight: Text * Seat capacity: Text * Contract fee: Text * Start date: date * Expired date: date * Card Status: Text   [Alternative 1]  [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If unable to read the card or the card is invalid | Mobile app shows error to notify police that mobile can’t read this card |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Can’t read card | Mobile app notifies that can’t read card | | 2 | Can’t connect to server. | Mobile app shows error connect to server is fail |   Relationships:  Business Rules:   * Mobile application sends request about information card to server and receives information about 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 Information | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | Medium |
| Actor:   * Mobile app   Summary:   * Mobile app can get information about 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: Mobile app returns information about contract. * Fail: Mobile app notifies error.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Mobile app sends request to get information about card | Mobile app returns 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] |   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:   * Mobile application sends request about information card to server and receives information about 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:   * Mobile app can update punishment information.   Goal:   * Update punishment information of the driver.   Triggers:   * The mobile application can read NFC card successful.   Preconditions:   * 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 | Mobile app sends command to update punishment | Mobile app returns some fill and request input fill | | 2 | Police chooses add more punishment. | Mobile required input description about punishment and picture about it.   * Description: free text input, required, length 1 - 200 * Picture: file upload input, required | | 3 | Mobile app get new information about punishment | Mobile sends punishment from police and notify this action is success  [Exception 1]  [Exception 2] |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Missing description and picture | Mobile reminds input description and picture. | | 2 | Can’t connect to server. | Warning that can’t connect to server. |   Relationships:  Business Rules:   * Information about punishment will be sent in server and update in contract of user. | | | |

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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 state / expired | | |
| Author | PhucNH | | |
| Date | 26/05/2015 | **Priority** | Medium |
| Actor:   * System   Summary:   * This use case describes how the system send notify about contract state / expired.   Goal:   * The information about the contract will be shown about notify to the user if user’s contract expires.   Triggers:   * System run a timer task that trigger check event.   Preconditions:   * Their must be at least one contract in the system.   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 | System run timer task to check contract state and sends notify | Use can see information show:   * Status of contract: text * Information about contract: text * Information about motorbike: text   [Exception 1] | |  |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | System timer task is interrupted | No notification will be sent. Error detail will be tracked in a log file. |   Relationships: N/A  Business rules:   * System timer will send check event at 00:00 everyday. * Notification will repeat every 4 days if the user don’t renew the contract. * Contracts that are not renewed will has status “Expired” and have no value. * After 1 month of Expired, if the user don’t renew the contract, the contract’s status will be changed to “Cancelled”. | | | |

**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 describes how the system send notify about compensation status.   Goal:   * The information about request compensation of user is saved.   Triggers:   * System run a timer task that trigger check event.   Preconditions:   * Their must be at least one compensation in the system.   Post Conditions:   * Success: Use received a notification about the compensation request when it is resolved. * Fail: The website go to the error page.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | System run timer task to check contract state and sends notify | Use can see information show:   * Status of compensation: text   [Exception 1] |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | System timer task is interrupted | No notification will be sent. Error detail will be tracked in a log file. |   Relationships:  Business Rules:   * System timer will send check event at 00:00 everyday. | | | |

**<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 sends command to search/ filter contract.   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 sends command to search/ filter contract | System shows information about contract:   * Contract code: text * Customer name: text * Date start: date * Time of contract: date * Status: text   System shows:  Information about request search.  [Alternative 1]  [Exception 1] | |  |  |  |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | System cannot finds the result from request | System notifies cannot find the request search. |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | The request search is not valid. It is include:   * Invalid the value of textbox * Fill some especial character | Website show message to notify. |   Relationships:  Business Rules:  Search/ filter with some criterion:   * Search/ filter by contract code * Search/ filter by customer name * Search/ filter by start date * Search/ filter by time of contract | | | |

## 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:   * Staff   Summary:   * This use case help user view their contract’s information.   Goal:   * User can review their contract’s information.   Triggers:   * User chooses 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: phone number * Plate number: Text * Engine: Text * Chassis: Text * Brand: Text * Model Code: Text * Type: Text * Color: Text * Capacity: Text * Year of manufacture: date * Weight: Text * Seat capacity: Text * Contract fee: Text * Start date: date * Expired date: date |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Can’t connect to server. | System shows error that cannot connect to server. |   Relationships:  Business Rules:   * System application shows information about 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 finds the information of contract then command to request print information into card.   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 to find contract  Staff choose print information into card | Show information of customer:   * Motor owner: text * Address: text * Phone Number: phone number * Plate: text * Chassis: text * Engine: number * Type: text * Time: date * Insurance premium: text * Fee payer: text * People issue: text * Date issue: dare * Hot line: phone number   Notify print success    [Alternative 1]  [Exception 1] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Staff commands to search/ filter but cannot see the result of contract | Staff commands a request to server to notify |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If the information of contract can’t print into the NFC card | Show message print fail |   Relationships:  Business Rules:   * The information of staff who prints that card will be saved and information of card will be printed and transfer for user. | | | |