# **Checker Mobile App**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | Verify card | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **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”). | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | Add punishment information | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **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: | | | |

# **Web application**

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| 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. | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | Cancel contract | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case help user cancel their contract..   Goal:   * User can cancel the contract.   Triggers:   * User click “Hủy Hợp Đồng” button in the “Thông tin bảo hiểm” page.   Preconditions:   * User must login into the system. * User’s contract must be valid.   Post Conditions:   * Success: Send to the staff the cancel insurance request. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User click “Hủy Hợp Đồng” button in the “Thông tin bảo hiểm” page | Display new page with radio buttons ask user to choose the reason why he/she cancel contract request and a button to attach file:   * List of reasons to cancel contract: radio buttons. * Other reason: text area. * Button to attach file: button. | | 2 | User chooses the reason why he/she want to cancel contract and attach the related file (if any). Then click “Xác nhận” button to send the request.  [Alternative 1] | Show success message.  Store information to database.  [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | User click “Hủy bỏ” button. | Return to the “Thông tin bảo hiểm” page. |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If user doesn’t check any radio button | Show message: “Xin vui lòng chọn lý do hủy hợp đồng”. | | 2 | Can’t connect to server. | Show message: “Không thể kết nối, xin thử lại sau!”. |   Relationships:  Business Rules: | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | Renew contract by user | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case help user to renew their contract.   Goal:   * User can renew their insurance contract.   Triggers:   * Staff clicks “Gia hạn” button in “Thông tin hợp đồng” page.   Preconditions:   * User must login into the system.   Post Conditions:   * Success: User renew contract or send a renew contract base on the payment way he/she used. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User clicks “Gia hạn” button in the “Thông tin bảo hiểm” page. | Display new page show user the renewal fee and the radio buttons for user to choose the payment gateways:   * Renewal fee: text. * Payment gateways :   + Paypal: radio button.  + COD: radio button. | | 2 | If user choose paypal gateway  [Alternative 1] | Forward to paypal payment page to process the payment. | | 3 | User process the payment | If payment succeed,  Update information to database. Renew user insurance contract.  Show message:”Gia hạn thành công”  [Exception 1] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If user choose COD way to process the payment | Show list of company brands address. |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If payment failed | Show message:”Thanh toán không thành công. Gia hạn bị hủy bỏ” |   Relationships: Extend “Paypal payment”.  Business Rules:   * (Gia hạn tối đa 1 năm ?) * (Những hợp đồng hết hạn mới đc gia hạn?) | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | View compensation history. | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case help user to view compensation history.   Goal:   * User can view compensation history.   Triggers:   * User click “Lịch sử bồi thường” tab in the navigation bar.   Preconditions:   * User must login into the system.   Post Conditions:   * Success: Show the compensation history to the user. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | * User click “Lịch sử bồi thường” tab in the navigation bar. | Display new page that show user the history of compensations includes :   * Driver name: text * License number: * License type: * Driver phone: * Vehicle capacity: * Driver address: * Plate number of accident motor: * Date of accident: * Place of accident: * Control Police Department: * Description: * Human damage: * Asset damage: * Observer: * Compensation note: * Attachment: * Created date: * Resolve date: * Decision: * Resolve note:   [Exception 1]  [Exception 2] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | |  |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | If there is no compensation | Show message:” Không có bồi thường nào” | | 2 | Can’t connect to server. | Show message: “Không thể kết nối, xin thử lại sau!”. |   Relationships:  Business Rules: | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | Request compensation | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case help user to request compensation.   Goal:   * User can request compensation.   Triggers:   * User click “Yêu cầu bồi thường” button in the “Lịch sử bồi thường” page.   Preconditions:   * User must login into the system. * User’s contract must be valid.   Post Conditions:   * Success: Store the compensation request to into database. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User click “Yêu cầu bồi thường” button in the “Lịch sử bồi thường” page. | Display new page ask user to input required information about the accident:  // Đợi Phúc  [Alternative 1] | | 2 | User fill required information and attach the minutes of the accident (if any). Then click “Xác nhận” button to send the request.  [Alternative 1] | Store information into database.  Show message:”Yêu cầu bồi thường được gửi thành công”.  [Exception 1] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | User click “Hủy bỏ” button. | Return to the “Lịch sử bồi thường” page. |   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: | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | New card request | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case help user to request a new card.   Goal:   * User can request a new card.   Triggers:   * // Đợi Phúc   Preconditions:   * User must login into the system.   Post Conditions:   * Success: New card request is stored into database. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | |  |  |  |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | |  |  |  |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | |  |  |  |   Relationships:  Business Rules:   * At a time a user can only has one new card request. | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | View payment history | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case shows user the history of the transactions.   Goal:   * User can view list of transactions were made.   Triggers:   * User click “Lịch sử giao dịch” tab in the navigation bar.   Preconditions:   * User must login into the system.   Post Conditions:   * Success: Show the transactions history to the user. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User click “Lịch sử giao dịch” tab in the navigation bar. | Display new page that show user list of transaction history information includes:  // Đợi Phúc  [Exception 1] |   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:   * Transactions list is sorted by date order. | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | View punishment history | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case shows user the history of the punishment.   Goal:   * User can view list of their punishment history.   Triggers:   * User click “Lịch sử vi phạm luật ATGT” tab in the navigation bar.   Preconditions:   * User must login into the system.   Post Conditions:   * Success: Show the punishment history to the user. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User click “Lịch sử vi phạm luật ATGT” tab. | Display new list of punishments information includes:  [Exception 1] |   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:   * Punishment list is sorted by date order. | | | |

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| USE CASE – MIC000 | | | |
| Use Case No. | MIC000 | **Use Case Version** | 1.0 |
| Use Case Name | View accident history | | |
| Author | TriPQM | | |
| Date | 20/05/2015 | **Priority** | High |
| Actor:   * User.   Summary:   * This use case shows user the history of the accidents.   Goal:   * User can view list of their accidents history.   Triggers:   * User click “Lịch sử tai nạn” tab in the “Thông tin hợp đồng” page.   Preconditions:   * User must login into the system.   Post Conditions:   * Success: Show the accidents history to the user. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | User click “Lịch sử tai nạn” tab. | Display new list of accidents information includes:  //  [Exception 1] |   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:   * Accidents list is sorted by date order. | | | |