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| USE CASE – CP01 | | | |
| Use Case No. | CP01 | **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.   or   * Police fill the card ID and send verify card command.   Preconditions:   * The device must connect to the system via internet.   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.  [Alternative 1] | Show the insurance contract and the motor information:   * Motor owner: text. * Owner address: text. * Phone number: text. * Plate number: text. * Engine: text. * Chassis: text. * Type: text. * Start date: text. * Expired date: text. * Card ID: text. * Card Status: text.   [Alternative 2]  [Exception 1] |   Alternative Scenario:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police fill the card ID and send verify card command. | Show the insurance contract and the motor information:   * Motor owner: text. * Owner address: text. * Phone number: text. * Plate number: text. * Engine: text. * Chassis: text. * Type: text. * Start date: text. * Expired date: text. * Card ID: text. * Card Status: text.   [Alternative 2]  [Exception 1] | | 2 | If the card is invalid | Show message to notify that the card is invalid. |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Cannot connect to server. | Mobile app shows message to notify that cannot connect to server |   Relationships: Add punishment information.  Business Rules:   * Mobile application sends request about card information to server and receives information about contract. * A card is “Valid” if all of the following conditions are true:   + The card ID is in activated status.   + Contract has status “Ready” or “Request cancel” * A card is “Nearly expired” if the card is “Valid” and the contract expired day remaining is less than a number of days specified by the system. * A card is “Expired” if the contract is expired. * A card is “Invalid” if the card is not existed in the system or the contract has been cancelled. * Highlight the status of the card include:   + Valid card   + Expired card   + Card is nearly expired, show remaining days   + Invalid card | | | |

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| USE CASE – CP02 | | | |
| Use Case No. | CP02 | **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 for the contract.   Triggers:   * Device reads NFC card successful.   Preconditions:   * The card is verified.   Post Conditions:   * Success: Add punishment information for the contract. * Fail: Show error message.   Main Success Scenario:   |  |  |  | | --- | --- | --- | | Step | Actor Action | System Response | | 1 | Police chooses add punishment | Mobile required police input description about punishment and picture about it:   * Description: free text input, length 0 – 200 * Picture: file upload input, required | | 2 | Police fill the punishment information and sends add punishment command | Show successful message.  [Exception 1, 2] |   Exceptions:   |  |  |  | | --- | --- | --- | | No | Actor Action | System Response | | 1 | Police input missed one of punishment description and picture of punishment record. | Mobile reminds input required information. | | 2 | Cannot connect to server. | Show error message to notify that cannot connect to server. |   Relationships: N/A  Business Rules:   * The width of the picture will be resized into 1000px to limit the size. * The punishment will be added into contract information. | | | |