

Use Case Template

Version 1.0

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| Use Case ID | UC-9929 |
| Use Case | Available Operations |
| Use Case Purpose | To depict various actors of the scenario and showing what functions they'll perform. |
| Use Case Description | User gets to the toll plaza, admin's job is to request payment. User can modify his profile, select his payment method etc. |
| Assumptions | Portal can accept payment via different modes, scanners for RFID and Vehicle Number plate function properly. Number plate is not tampered beyond recognition. |
| Variations | Apart from different modes of payment, user can have option of adding money to their personal wallet. He/She can also customize their profile via the user application. |
| Trigger | The User drives his vehicle in the both and the scanning starts then the proceeding events follow.. |
| Primary Actors | User |
| Secondary Actors | Admin |
| Pre-Conditions | Portal should always remain active. The scanners should work 24x7. |
| Normal Scenario | User enters the toll booth and his RFID and number plates are scanned, admin now validates the credentials and requests payment. After a successful payment user is notified. In case if the vehicle is marked stolen, admin reports the case to the authorities and they take further actions. |
| Extension points | User can modify his profile and can change the different payment modes. User can mark the vehicle stolen via the portal. |
| Alternate Scenario | In case the payment fails, the admin has to keep track of this and issue e-challans in accordance with government policies. |
| Post Conditions | <u>Success end condition</u> The payment is successfully made and the user's money gets deducted accordingly. He/she gets a receipt and is notified. <u>Failure end condition:</u> In case of payment failure, the admin notifies the user that the payment has failed due to what reason(tampering, insufficient amount) and issues e-challans. |
| Special Requirements | Performance and Security 1. The scanners should work with utmost accuracy and speed. 2. Payment portal should be secured via encryption techniques. 3. In case of stolen vehicle, the information should be passed to the authorities as soon as possible |

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| | <p>User Interface</p> <ol style="list-style-type: none">1. The interface shall display all options and messages in English and Hindi languages.2. The height of letters displayed on the app shall not not be too small. |
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