ReportViolation Scenario:

* Paul is walking on the sidewalk when he notices in the distance a car parked on the sidewalk obstructing his way. He decides to report this since it poses a threat to the safety of people walking by.
* Paul opens the SafeStreets app on his mobile phone to make the report
  + He takes a photo of the violating vehicle showing the license plate number
  + The plate number is detected and shown in text on the app
  + He indicates the type of violation
  + The location of the violation is detected using his current location
* Paul submits the report and closes the application

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| Name | ReportViolation |
| Actors | Registered User |
| Entry Condition | The user witnessed a traffic violation which he wants to report |
| Event Flow | 1. In the homepage, the user takes a photo of the violating vehicle 2. The user verifies that the image is clear and the license number is visible 3. The user clicks on the “Continue” button to go on with the processes 4. The user is presented with the page for completing the details of the report 5. The detected plate number is shown 6. The user chooses the type of the violation he is reporting from the available choices 7. The detected user location is shown 8. The user verifies that all the data in the report are right 9. The user clicks the “submit” button |
| Exit Condition | The user report is submitted to the server and stored in user report history |
| Exceptions | * The user is not a registered user   + The user uses the “Register” functionality   + The user is redirected to the “Login” functionality   + Then user redirected to the “GivePermission” functionality * The user is not logged in   + The user uses the “Login” functionality * The user has not logged in before   + The user is redirected to the “GivePermission” functionality * The image is not clear or the license plate number is not visible in it   + The user clicks the “take another” button to take another photo * The type of violation is not in the available choices   + The user chooses the “other” option and specifies the type of violation by typing it in * The detected data fields (plate number and location) is not accurate   + The user clicks on the “redetect” button associated to that field   + The erroneous field is redetected |
| Special Req | NFR1: The detection of plate number must be done in less than 1 second  NFR2: The detected plate number is accurate 99% of the time |