**G1: Users should be able to report traffic violations**

R1: Users should be allowed to register to services provided by the system

R2: Users should provide unique identification to the such as fiscal code during registration

R3: Registered users should be allowed to login

R4: Each registered user should have a unique username used for logging in chosen at registration time

R5: System should enable registered users to report traffic violations

R6: When reporting a violation, users should be able to take an image of the violating vehicle’s license plate

R6: When reporting a violation, users should be able to fill in the details of the reported violation such as the type of the violation

R7: The system should be able to detect the current user location when reporting a violation

R8: The system should extract the plate numbers from the image taken by the user

R9: The received reports must be stored by the system to be used by other services

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

D1: User provided image of traffic violations is not tampered with physically

D2: User location included in report assumed to be the true unmodified location

D3: Each plate number is unique and registered to only one vehicle

D4: Each user’s fiscal code is unique

D5: User devices used for reporting violations has functioning a camera and GPS

D7: Plate number of violating vehicle is readable and clearly visible in images included in the report

C1: User location included in the report is assumed to be accurate within an error range of 10 meters

C2: Image resolution/quality/size taken by users is at least X

**G2: Users should be able to access information regarding the safety of different areas**

R10: Registered users should be allowed to view a representation of the safety of selected areas possibly with the help of a map API

R11: The system should implement a means to measure the safety of various areas based on reported violations in said areas

R12: Incoming reports should be integrated and used to update the safety of areas

R13: If accident reports are provided by authorities the system should take that data into account when calculating the safety of a certain area

D2: User location included in report assumed to be the true unmodified location

D9: The communication of accident reports by the municipality is assumed to be proactive

C1: User location included in the report is assumed to be accurate within an error range of 10 meters