Scenarios

Scenario 1

Marco is in a central way in the city and need a way to notify to an authority the occurred parking violation that create to him a difficult to try to reach the place where he should go.

Then he proceeds to download the application and completes the registration, then, he starts to navigate in the interface and go to section “Notify violation” and compile the relative form and associate a picture of the violation.

After he decides to send form and picture through the software. Now the request will be accepted by the first nearest available authorities.

Scenario 2

Robert has a repair workshop in the heart of the city. Every morning someone parks in front of his garage’s workshop . So one of his employees advises him to install the safestreets application in his phone so he can notify the authorities the parking violation. Robert after downloaded the application, and did the registration process, notificated to the authorities all the violation parking, so now the authorities can act on the violator.

Scenario 3

Catherine finally managed to make a trip to the city she longed for. On her journey, however, she realized that she needed help to understand the safe areas or not of the city. She asks in a police station whether or not there is a method of being able to have information on the streets of the city she have to avoid or not. The police advise her to download safestreets. After downloading and installing the app, Catherine proceeds to registration process. Now she can interact with the app interface and access the "Statistics" section of the app, where she finds all the information on the more or less safe streets of the city(viene suggerito dalla polizia locale ad esempio)

Scenario 4

In the city all the authorities have difficulties due to the high number of crimes to be managed in the streets in everyday life. So all the directors of the various stations of authority (for example police, local police, etc.) gathered with the relative municipality to find something that could help them better manage all road violations. Thus the municipality communicates that other municipalities adopt the safestreets service to improve and better manage the safety of city streets. Thus each authority will decide to adopt the safestreets service, registering all its employees and each employee will be able to log in to the app with the unique code provided to each of them. So thanks to the notifications section of the app the nearest road violation steering wheel will be able to act thanks to a fast and effective management of notification and receipt of app violations.

Scenario 5

the director of a local police station noted that their employees have difficulty in managing fines/tickets in the best possible way. Sometimes it happens that fines are made referring to wrong violations, or sometimes referring to the wrong car or other types of human errors. The local police director heard about the excellent functionality in the other cities of safestreets, so he decided to register his station, and allow users to access it. After downloading and installing the application, and registering all employees via forms, now all employees of the local police station are able to take in a correctly way the information about a traffic violations and generate the fines/tickets.

Scenario 6

The municipality has to manage an important worldwide event in 6 months in one of the areas of the city. To decide the area where you can play this event, the mayor of the municipality contacts the authority to ask what their data may be the more or less safe areas where you can play the event. The authorities are able to respond exactly to the request made by the municipality, since after registering on safestreets they can succeed in obtaining information, thanks to the crossing of data carried out by the application itself, on which areas are most secure in fast and exact way to the municipality. So now the municipality can decide thanks to given data where can manage the important event in the city.

SECTION 3.5

PERFORMANCE REQUIREMENTS

[P1] – The systemis designed to manage in an efficiently andeffectively way the requests of a little-medium size city of about four hundred thousand population. In a first estimation, an average 75% of ontemporary users activity is expected.

[P2] – The system is designed to guarantee a response time less than 10 seconds between an user notification about a traffic violation and the succesful receipt and dispatching occurred between the agents closer to the streets’ violation

[P3] – Starting from the System Manager, the system must guarantee the correcting update of every statics every month with a response time less than 30 seconds.

[P4] – Starting from the User notification to authorities, the system must guarantee a response time of less than 4 seconds for computing the accepting phase by the authorities member.

[P5] –The system must guarantee an updating time of picture and infos in the form fill by the User about less than 3 seconds from the time the User updated the parameters and files.



