Introduction

The main goal of this documenti is to describe in depth Safestreets application and how it works.

Traffic violations are a problem that occures daily especially in big cities and this is why Safestreet relies on the help of citizens to make life in the streets less stressful and more organized.

Its goal is to make traffic regulation more efficient and complete, by allowing users to report and notify violations to the designated authorities. In particular, users should be able to send pictures as proof of vehicles parked illegally and attach to them information to simplify the reviewing process of the alert.

Safestreets stores the information provided by users, employs it by running an algorithm on the picture to recognize the license plate and completes the analysis with the type of the violation (input by the user) and the place, which can be retrieved through the geographical position. The data can be elaborated by both end users and authorities to highlight the zones with the highest amount of violations. Depending on the possibility of the municipality, Safestreets can help to identify areas which could possibly be improved by making interventions.

In addition Safestreets information could be exploited by the local police to generate traffic tickets.

Goals

Users goals:

[G1] Users can register its own account

[G2] Users can send pictures, date, time and position and the type of violation

[G3] Users can mine information to visualize areas with most violations

[G4] Users can give an advice on possible interventions that could fix some areas problems

Municipality:

[G1] Municipality can access to the application data (users profiles)

[G2] Municipality can generate traffic ticket

[G3] Municipality can provide information to help Safestreets