

0.0.1 Requirements

- R₁ At sign up, *User* must provide: first name, last name, email and password;
- R₂ At sign up, *User* must accept *Terms and conditions*, including the *Privacy statement*;
- R₃ Identify a *User* by his/her *User identifier*;
- R₄ Receive *User picture*;
- R₅ Receive *User* choice for the type of *Traffic violation*;
- R₆ Receive *User position*;
- R₇ Send *User picture* to the *License plate recognition service*;
- R₈ Receive *Recognized license plate* from the *License plate recognition service*;
- R₉ Create *User report*;
- R₁₀ Store *User report* in SafeStreets Database;
- R₁₁ Send *User report* to *Municipality*;
- R₁₂ Store *Ticket feedback* in SafeStreets Database;
- R₁₃ Query SafeStreets Database for a *User* by his/her *User identifier*;
- R₁₄ Retrieve specific *User reports* by querying SafeStreets Database;
- R₁₅ Guarantees that the data which constitutes the *User report* are not corrupted;
- R₁₆ Receive *Municipality* data access request;
- R₁₇ Validate *Municipality* data access request;
- R₁₈ Allow *Municipality* to set specific constraints to define *Detailed statistics*;
- R₁₉ Send *Detailed statistics* to the requesting *Municipality*;
- R₂₀ Allow *Users* to request all their *User report* and the related *Ticket feedback* stored in SafeStreets Database at any time;
- R₂₁ Send to a specific *User* his/her *User report* stored;
- R₂₂ Send to a specific *User* the *Ticket feedback* related to his/her *User report*;
- R₂₃ Allow *User* to choose among filters which define a group of *User reports*;
- R₂₄ Send *Public statistics* to the requesting *User*;
- R₂₅ Send *Accidents* Database access request to *Municipality*;

- R₂₆ Receive *Accidents* Database access confirmation from *Municipality*;
- R₂₇ Request *Accidents* data to *Municipality*;
- R₂₈ Receive *Accidents* data from *Municipality*;
- R₂₉ Generate *Possible interventions* crossing *Municipality Accidents* data with SafeStreets Database data;
- R₃₀ Send generated *Possible interventions* to *Municipality*;
- R₃₁ At sign up, *Municipality* must provide a *Reference code*;
- R₃₂ Identify *Municipality* by its *Reference code*;
- R₃₃ Receive *Ticket feedback* from *Municipality*.