0.0.1   Satisfying Goals

G_1 Collect *User report* in SafeStreets Database;

R_1 At sign up, *User* must provide: first name, last name, email and password;

R_2 At sign up, *User* must accept *Terms and conditions*, including the *Privacy statement*;

R_3 Identify a *User* by his/her *User identifier*;

R_4 Receive *User picture*;

R_5 Receive *User* choice for the type of *Traffic violation*;

R_6 Receive *User position*;

R_7 Send *User picture* to the *License plate recognition service*;

R_8 Receive *Ricognized license plate* from the *License plate recognition service*;

R_9 Create *User report*;

R_{10} Store *User report* in SafeStreets Database;

D_1 Data inserted by the *User* at sign up corresponds to their real data;

D_2 *User position* collected at a certain instant corresponds to the acual position of the *User* at that exact moment;

D_3 The maps in use accurately represent the world;

D_4 *Users* own a working smartphone which has access to Internet connection;

D_5 *Users* own a working smartphone which has a working GPS antenna;

D_6 SafeStreets and *License plate recognition service* is always online;

D_7 *License plate recognition service* always provides a text representing a correct recognition of the license plate in the *User picture*;

G_2 Send *User report* to *Municipality* as soon as it is generated;

R_{11} Send *User report* to *Municipality*;

R_{15} Guarantees that the data which constitutes the *User report* are not corrupted;

R_{31} At sign up, *Municipality* must provide a *Reference code*;

R_{32} Identify *Municipality* by its *Reference code*;

D_6 SafeStreets and *License plate recognition service* are always online;

G_3 Send *User picture* to the *Licence plate recognition service* as soon as it is received;

R$_4$ Receive *User picture*;

R$_7$ Send *User picture* to the *License plate recognition service*;

D$_6$ SafeStreets and *License plate recognition service* are always online;

G$_4$ Allow *Municipality* to visualize *Detailed statistics*;

R$_{10}$ Store *User report* in SafeStreets Database;

R$_{13}$ Query SafeStreets Database for a *User* by his/her *User identifier*;

R$_{16}$ Receive *Municipality* data access request;

R$_{17}$ Validate *Municipality* data access request.

R$_{18}$ Allow *Municipality* to set specific constraints to define *Detailed statistics*;

R$_{19}$ Send *Detailed statistics* to the requesting *Municipality*;

R$_{31}$ At sign up, *Municipality* must provide a *Reference code*;

R$_{32}$ Identify *Municipality* by its *Reference code*; //

D$_9$ *Municipality* has institutional credentials (*Reference code* and password) which uses to access the system;

G$_5$ Allow *Users* to visualize *Public statistics*;

R$_{10}$ Store *User report* in SafeStreets Database;

R$_{23}$ Allow *User* to choose among filters which define *Public statistics*;

R$_{24}$ Send *Public statistics* to the requesting *User*;

G$_6$ Suggest *Possible interventions* to *Municipality*;

R$_{10}$ Store *User report* in SafeStreets Database;

R$_{13}$ Query SafeStreets Database for a *User* by his/her *User identifier*;

R$_{25}$ Send *Accidents* Database access request to *Municipality*;

R$_{26}$ Receive *Accidents* Database access confirmation from *Municipality*;

R$_{27}$ Request *Accidents* data to *Municipality*;

R$_{28}$ Receive *Accidents* data from *Municipality*;

R$_{29}$ Generate *Possible interventions* crossing *Municipality Accidents* data with SafeStreets Database data.

R$_{30}$ Send generated *Possible interventions* to *Municipality*;

R$_{31}$ At sign up, *Municipality* must provide a *Reference code*;

R$_{32}$ Identify *Municipality* by its *Reference code*;

D$_8$ *Municipality* grants access to its own *Accidents* Database;

G$_7$ Collect information about *Ticket feedback*;

    R$_{12}$ Store *Ticket feedback* in SafeStreets Database;

    R$_{31}$ At sign up, *Municipality* must provide a *Reference code*;

    R$_{32}$ Identify *Municipality* by its *Reference code*;

    R$_{33}$ Receive *Ticket feedback* from *Municipality*;

G$_8$ Allow *Users* to visualize their contribution to SafeStreets;

    R$_1$ At sign up, *User* must provide: First name, last name, email and password;

    R$_2$ At sign up, *User* must accept *Terms and conditions*, including the *Privacy statement*;

    R$_3$ Identify a *User* by his/her *User identifier*;

    R$_{10}$ Store *User report* in SafeStreets Database;

    R$_{12}$ Store *Ticket feedback* in SafeStreets Database;

    R$_{13}$ Query SafeStreets Database for a *User* by his/her *User identifier*;

    R$_{20}$ Allow *Users* to request all their *User report* and the related *Ticket feedback* stored in SafeStreets Database at any time;

    R$_{21}$ Send to a specific *User* his/her *User report* stored;

    R$_{22}$ Send to a specific *User* the *Ticket feedback* related to his/her *User report*;

    R$_{33}$ Receive *Ticket feedback* from *Municipality*.