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* (? attaching Timestamp and User identifier to User picture, Recognized license plate and type of Traffic violation);

 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 are) is always online;

 D$_7$ *License plate recognition service* always provides a correct evaluation (traduction?) of the *User picture*, generating a text representing the *Recognized license plate*;

G$_2$ Send *User report* to *Municipality* as soon as it is generated;

 R$_{11}$ Send *User report* to *Municipality*;

 R$_{15}$ Not send *User report* to *Municipality* if *Chain of custody* is broken;

 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) is 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) is 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$_{14}$ Retrieve specific *User reports* by querying SafeStreets Database;

    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*;

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

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

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

    R$_{14}$ Retrieve specific *User reports* by querying SafeStreets Database;

    R$_{20}$ Receive *User report* access request from *User*;

    R$_{21}$ Validate *User report* access request from *User*;

    R$_{22}$ Allow *User* to set specific constraints to define a group of *User reports*;

    R$_{23}$ Properly anonimyze the group of *User reports* defined by the *User*, in order to generate *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$_{14}$ Retrieve specific *User reports* by querying SafeStreets Database;

    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 Allow a *Third party* (?) to visualize statistics about *Traffic tickets* generated from *User reports*;

  – ???

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*;

R_{34} Store *Ticket feedback* in SafeStreets Database;

  – ???

G_8 Allow *Users* to visualize their contribution (=manage their profile?) 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_{12a} Allow *Users* to request all their *User report* and the related *Ticket feedback* stored in SafeStreets Database at any time;

R_{12b} Send to a specific *User* his/her *User report* stored;

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

R_{14} Retrieve specific *User reports* by querying SafeStreets Database;