

0.1 Assumptions, Dependencies and Constraints

0.1.1 Domain Assumptions

- D₁ Data inserted by the *User* at sign up correspond to their real data;
- D₂ *User position* collected at a certain instant corresponds to the actual position of the *User* at that exact moment;
- D₃ The maps in use accurately represent the world;
- D₄ *Users* own a working smartphone which has access to Internet connection;
- D₅ *Users* own a working smartphone which has a working GPS antenna;
- D₆ SafeStreets and *License plate recognition service* are always online;
- D₇ *License plate recognition service* always provides a text representing a correct recognition of the license plate in the *User picture*;
- D₈ *Municipality* grants access to its own *Accidents* Database;
- D₉ *User pictures* correspond to real violation.