

## 0.1 Assumptions, Dependencies and Constraints

### 0.1.1 Domain Assumptions

- D<sub>1</sub> Data inserted by the *User* at sign up correspond to their real data;
- D<sub>2</sub> *User position* collected at a certain instant corresponds to the actual position of the *User* at that exact moment;
- D<sub>3</sub> The maps in use accurately represent the world;
- D<sub>4</sub> *Users* own a working smartphone which has access to Internet connection;
- D<sub>5</sub> *Users* own a working smartphone which has a working GPS antenna;
- D<sub>6</sub> SafeStreets and *License plate recognition service* are always online;
- D<sub>7</sub> *License plate recognition service* always provides a text representing a correct recognition of the license plate in the *User picture*;
- D<sub>8</sub> *Municipality* grants access to its own *Accidents* Database;
- D<sub>9</sub> *User pictures* correspond to real violation.