

### 0.0.1 Requirements

- R<sub>1</sub> At sign up, *User* must provide: First name, last name, email and password;
- R<sub>2</sub> At sign up, *User* must accept *Terms and conditions*, including the *Privacy statement*;
- R<sub>3</sub> Identify a *User* by his/her *User identifier*;
- R<sub>4</sub> Receive *User picture*;
- R<sub>5</sub> Receive *User* choice for the type of *Traffic violation*;
- R<sub>6</sub> Receive *User position*;
- R<sub>7</sub> Send *User picture* to the *License plate recognition service*;
- R<sub>8</sub> Receive *Recognized license plate* from the *License plate recognition service*;
- R<sub>9</sub> Create *User report* (? attaching Timestamp and User identifier to User picture, Recognized license plate and type of Traffic violation);
- R<sub>10</sub> Store *User report* in SafeStreets Database;
- R<sub>11</sub> Send *User report* to *Municipality*;
- R<sub>12a</sub> Allow *Users* to request all their *User report* and the related *Ticket feedback* stored in SafeStreets Database at any time;
- R<sub>12b</sub> Send to a specific *User* his/her *User report* stored;
- R<sub>13</sub> Query SafeStreets Database for a *User* by his/her *User identifier*;
- R<sub>14</sub> Retrieve specific *User reports* by querying SafeStreets Database;
- R<sub>15</sub> Not send *User report* to *Municipality* if *Chain of custody* is broken;
- R<sub>16</sub> Receive *Municipality* data access request;
- R<sub>17</sub> Validate *Municipality* data access request.
- R<sub>18</sub> Allow *Municipality* to set specific constraints to define *Detailed statistics*;
- R<sub>19</sub> Send *Detailed statistics* to the requesting *Municipality*;
- R<sub>20</sub> Receive *User report* access request from *User*;
- R<sub>21</sub> Validate *User report* access request from *User*;
- R<sub>22</sub> Allow *User* to set specific constraints to define a group of *User reports*;
- R<sub>23</sub> Properly anonymize the group of *User reports* defined by the *User*, in order to generate *Public statistics*;

- R<sub>24</sub> Send *Public statistics* to the requesting *User*;
- R<sub>25</sub> Send *Accidents* Database access request to *Municipality*;
- R<sub>26</sub> Receive *Accidents* Database access confirmation from *Municipality*;
- R<sub>27</sub> Request *Accidents* data to *Municipality*;
- R<sub>28</sub> Receive *Accidents* data from *Municipality*;
- R<sub>29</sub> Generate *Possible interventions* crossing *Municipality Accidents* data with SafeStreets Database data.
- R<sub>30</sub> Send generated *Possible interventions* to *Municipality*;
- R<sub>31</sub> At sign up, *Municipality* must provide a *Reference code*;
- R<sub>32</sub> Identify *Municipality* by its *Reference code*;
- R<sub>33</sub> Receive *Ticket feedback* from *Municipality*;
- R<sub>34</sub> Store *Ticket feedback* in SafeStreets Database;
- R ... (Third party)