

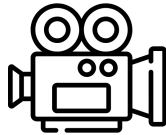
5G MOBILITY

ELABORATION PHASE

Carolina Araújo	93248
Hugo Almeida	93195
Miguel Almeida	93372
Orlando Macedo	94521



1. RESEARCH TECHNOLOGIES



2. REQUIREMENTS



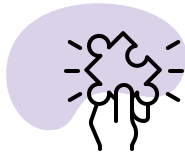
FUNCTIONAL REQUIREMENTS



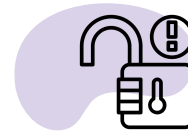
BUSINESS



STAKEHOLDER



SOLUTION



**AUTHORIZATION
LEVELS**

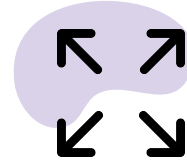
NON-FUNCTIONAL REQUIREMENTS



USABILITY



SECURITY



SCALABILITY



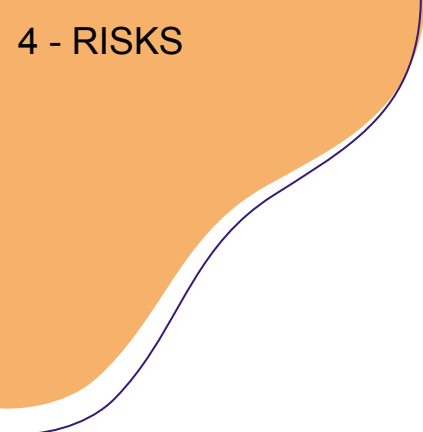
PERFORMANCE



RELIABILITY

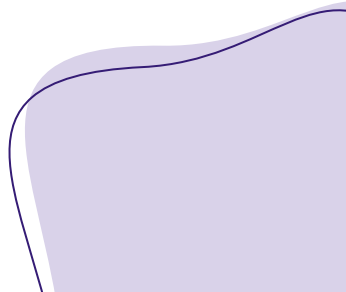
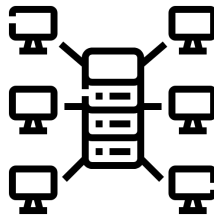
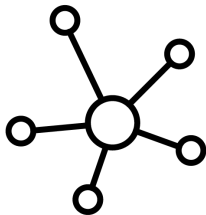


AVAILABILITY



ASSOCIATED RISKS

- VNF STRUCTURE
- 5G BROKER
- ILLEGALITIES



REAL TIME OBJECT DETECTION
CAR COMMUNICATION
PASMO
5GASP
5GinFire
5G HIGHWAYS



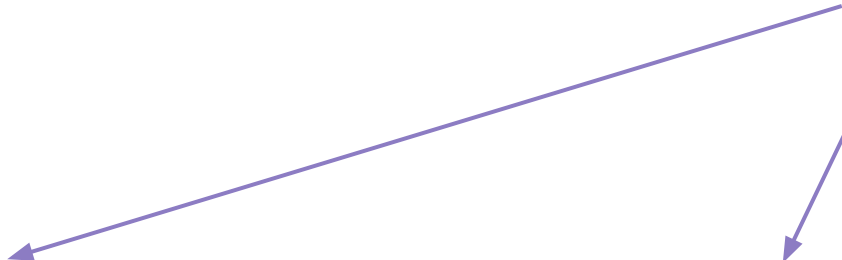
Actors



WEB APP



C2I-I2C



Use Cases

WEB APP

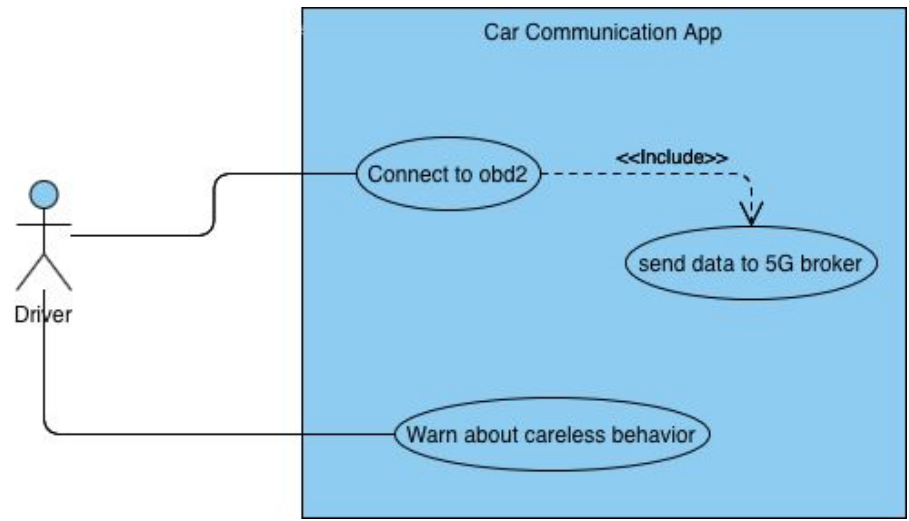
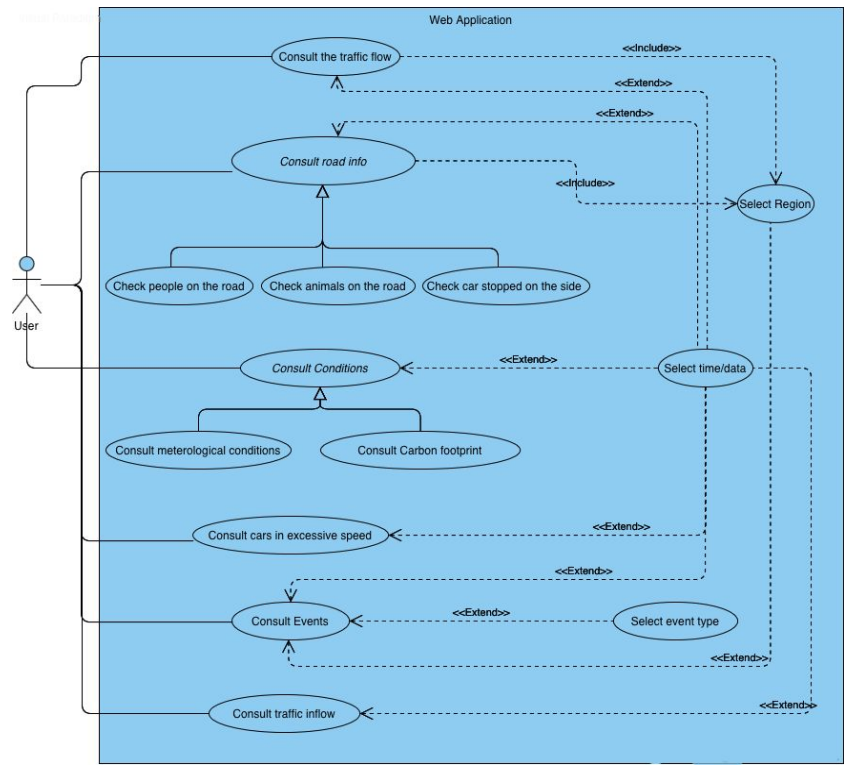
- Number of vehicles
- Traffic information
- Adverse conditions
- Strange objects/animals on the road
- Zone inflow
- Zone carbon footprint
- Stopped cars on the road

+
priority
↓
-

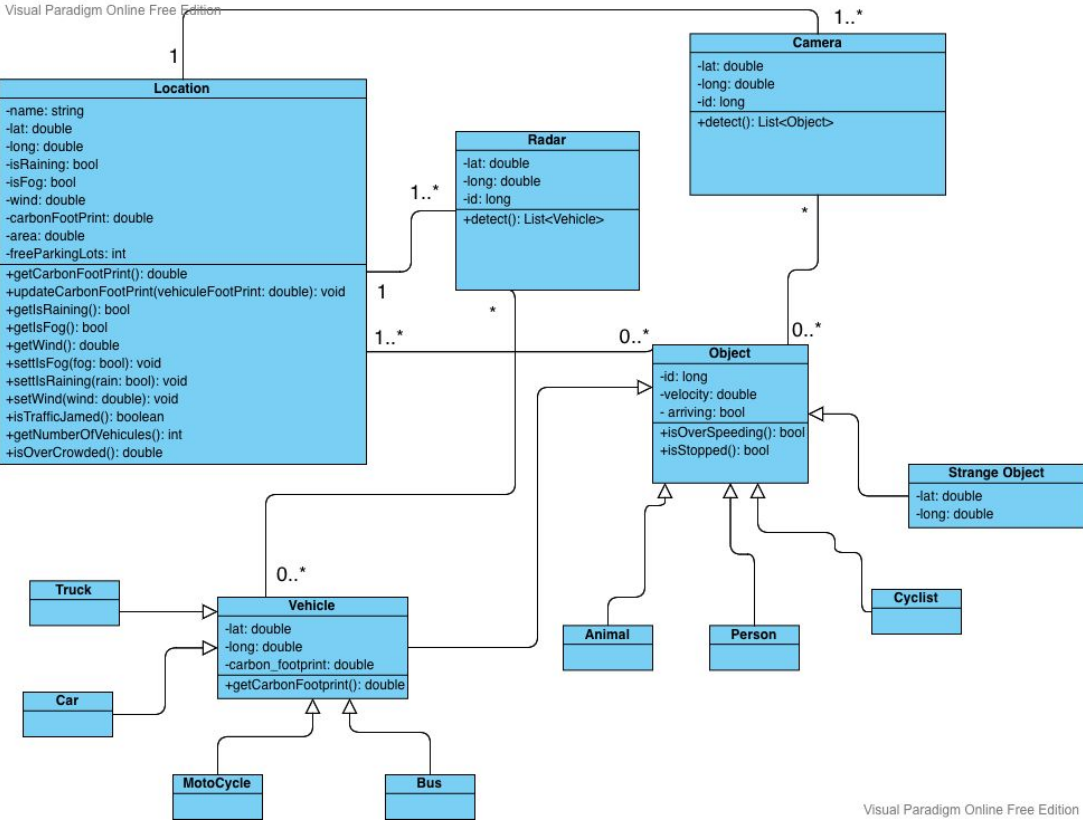
C2I-I2C

- Warning in case of dangerous behavior by others

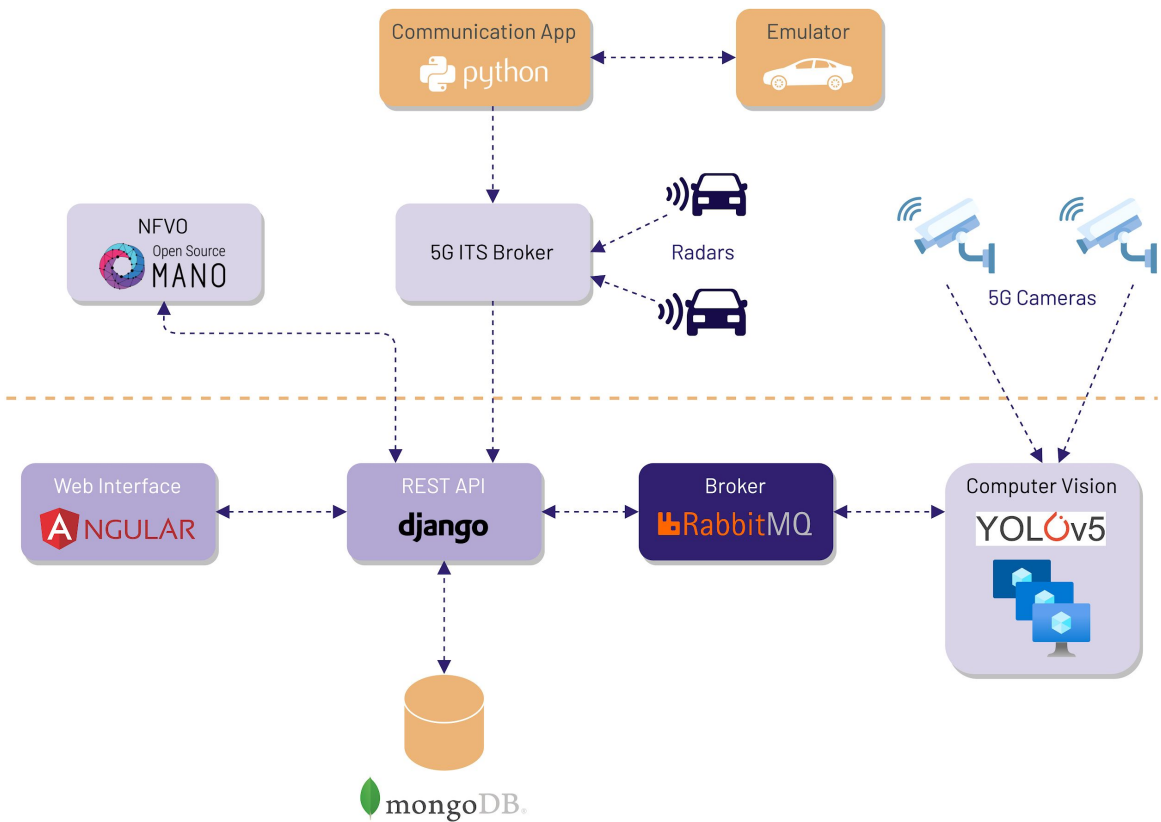
Use Cases



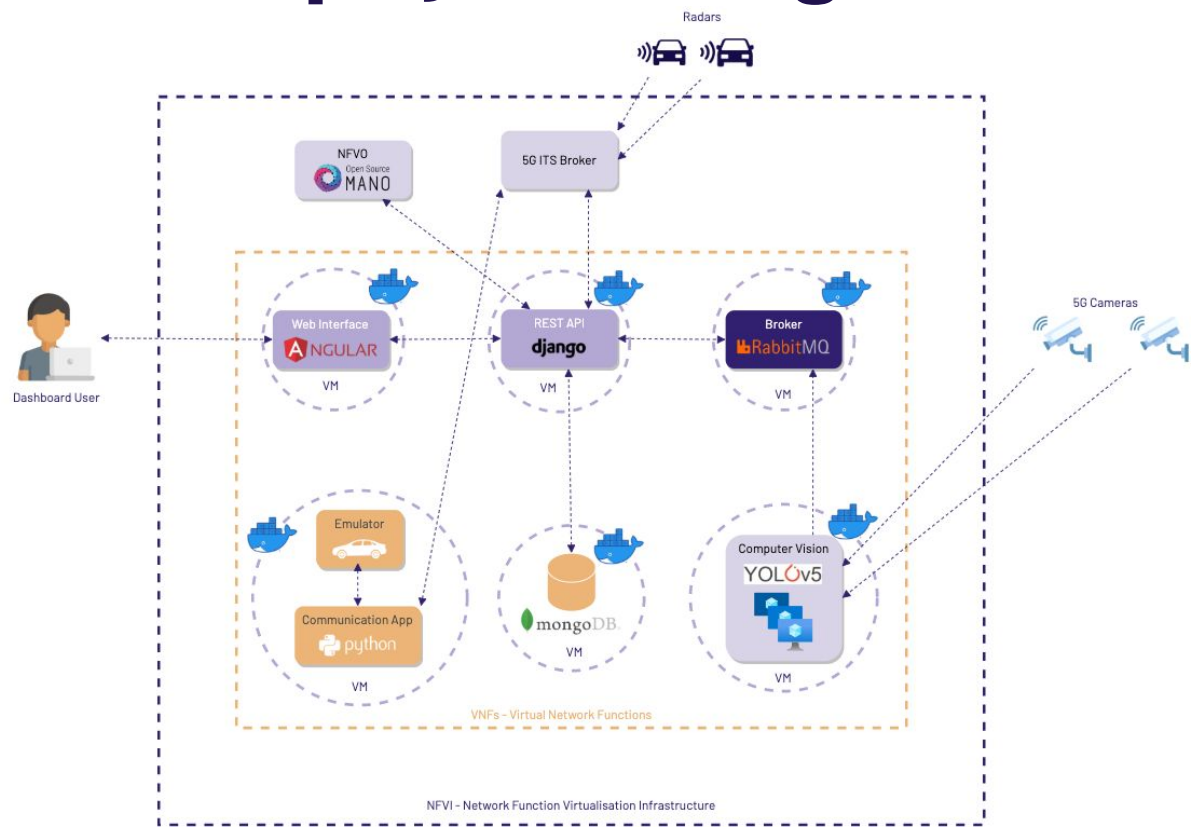
Domain Model



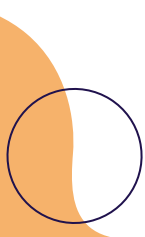
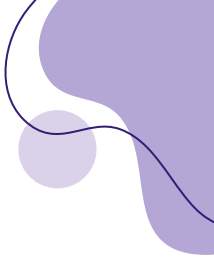
Architecture



Deployment Diagram



PROTOTYPE



THANKS

Do you have any questions?

OUR WEBSITE: <http://xcoa.av.it.pt/~pi202021g11/>

OUR REPOSITORY: <https://github.com/5g-mobility>

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