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A picture containing food

Description automatically generated

RASD Document

XXXX Web Application

Urban Environmental Investigation

Ver.1

BY :

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# **Project scope and goals**

# **Domain analysis**

The web application of XXXX is aimed at providing the environmental factors in the city for house buyers. And meanwhile municipalities could apply it on the urban health or urban economy thesis, for instances, to analyze the relationship between traffic and noise and make city park planning.

This web application will be run online by the users, without interaction with other software or hardware.

Generally, our product is a platform where users could update, monitor and exchange urban environmental information as references, to help them make decisions. To preserve the relevance of the website, log-in is required in order to access all the functions. As web managers, we have the privilege to remove any comment or user-uploaded data.

The representation of raw data in the web application will be performed by python scripts, and the libraries needed are as following: shapely, pandas, geopandas for the representation of data; psycopg2 for SQL and also Flask for web implementation.