

Requirements Elicitation

Team 3: Download of public facing data for registered users

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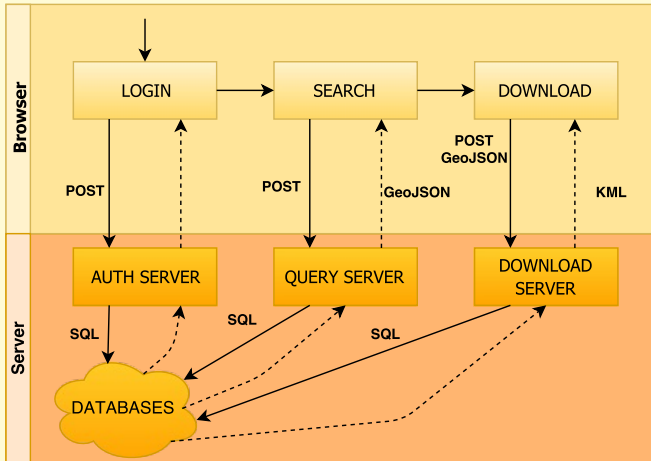
Team Purpose

- Users are interested in downloading:

- 1 **Cadastral** data - details of ownership, location, dimensions, and area
- 2 **“Storytelling”** data - interview recorded on a day, series of points detailing a garbage problem, etc.

- **Purpose:** Users can create their own maps from this data
 - e.g. a map pertaining to bus stop information
 - Quickens the process for surveying land to receive land titles.

Sample Use Case



Functional Requirements

- User can choose an output **format** for data queries and download **locally** to computer.
 - Input data is a list of layers and database references (from Search).
 - Output formats include GeoJSON, KML, shapefile, and CSV (for the user's local download)

Non-functional Requirements

- Must handle up to 3 **simultaneous** requests.

Constraints

- Should be **Javascript** server-side.
- Assume UI component **triggers** download pipeline.
- We have a direct functional dependency on **search** returning a list of layers in GeoJSON format
 - This data may be **subsetting** by region, e.g. retrieve all “electricity” data within a 0.5 km radius
 - We assume that the list of layers and references are valid for the user’s authentication level, i.e. private data references from Search are not returned for public/non-authenticated users
- We have a direct functional dependency on the **storage** database schema in order to form queries to get data.

Questions?