

## 4.1.2 Designing The Data Model

### Tagging

Tags are used in OSM to categorize features, and to add information that is useful for:

- Understanding of the map
- Planning
- Routing
- Querying

OSM doesn't work with layers or attribute tables, but tags. Each tag consists of a key, and a value. Each map feature should have 1 or more tags Such as:

- building=residential
- highway=primary
- amenity=school

### Resources

- Check the OpenStreetMap wiki. Start at the Map features page, search, and discover!
- Research tag use and occurrence on TagInfo

### Data Models

A data model defines what features are surveyed or mapped and what attributes are collected for each feature. If a project will upload data to OpenStreetMap, the data model should be designed to match OSM tagging.

### Example data models

- Uganda Refugee Crisis
  - Ramani Huria
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### Training Activity

**Presentation:** <https://docs.google.com/presentation/d/1CU6cBtu9ZAeCWKlZ6xLVN4fBrdsN7R5tFELPXbepill/edit#slide>

**\*\*Estimated time:**

**Skills and technology needed:\*\***