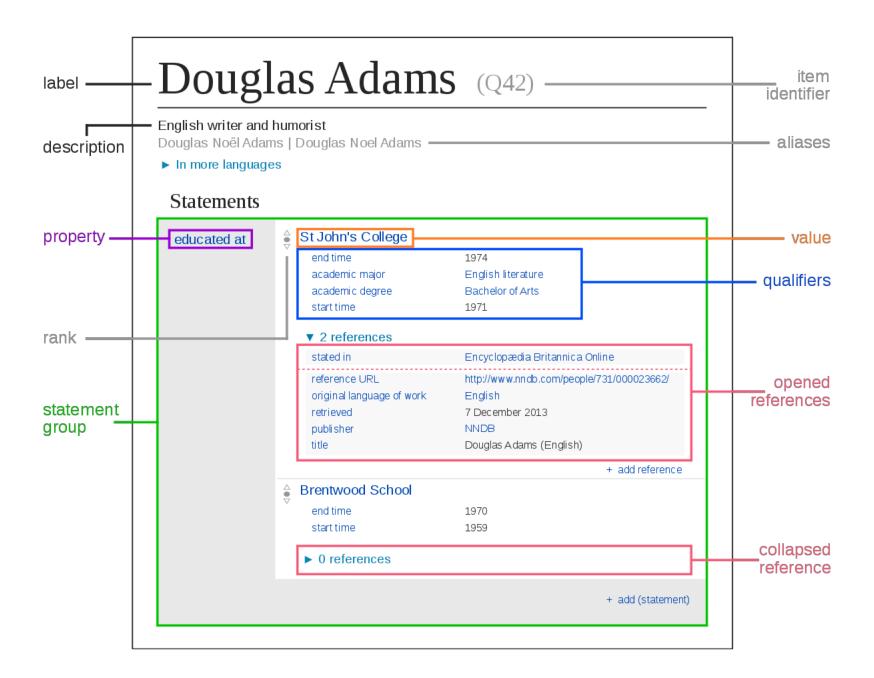
# Wikibase

#### Wikibase Model

- Wikibase: software that enables MediaWiki to store/access structured data
- Complex but expressive data model captures provenance, alternate values, ...

### Items have

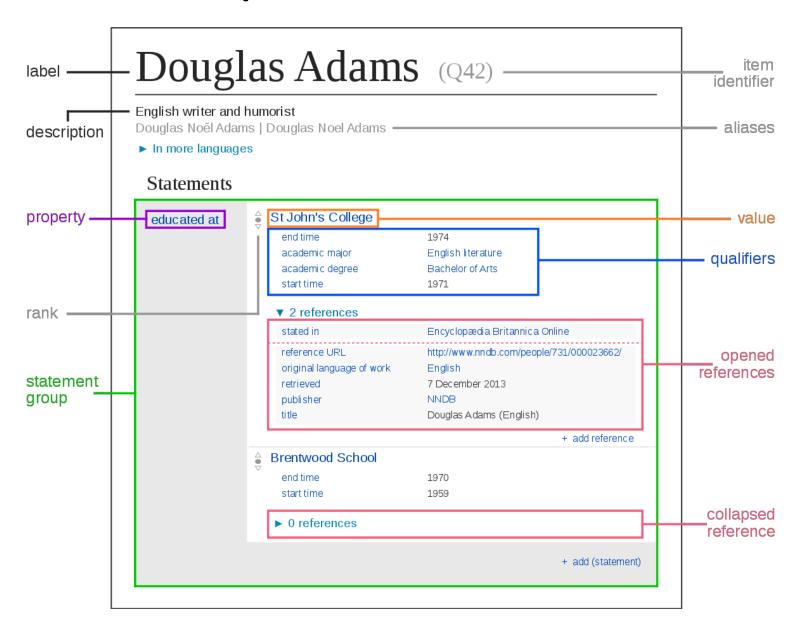
- Item identifier (number prefixed with Q)
- **Fingerprint**, consisting of:
  - Multilingual label\*
  - Multilingual description\*
  - Multilingual aliases
- Statements, each consisting of:
  - Claim, consisting of:
    - Property
    - Value
    - Qualifiers (additional property-value pairs)
  - References (each with one or more property-value pairs)
  - Rank
- Site links



## Properties have ...

- Property identifier (number prefixed with P)
- **Fingerprint**, consisting of:
  - Multilingual label\*
  - Multilingual description\*
  - Multilingual aliases
- Statements, each consisting of:
  - Claim, consisting of:
    - Property
    - Value
    - Qualifiers (additional property-value pairs)
  - References (each with one or more property-value pairs)
  - Rank
- Datatype

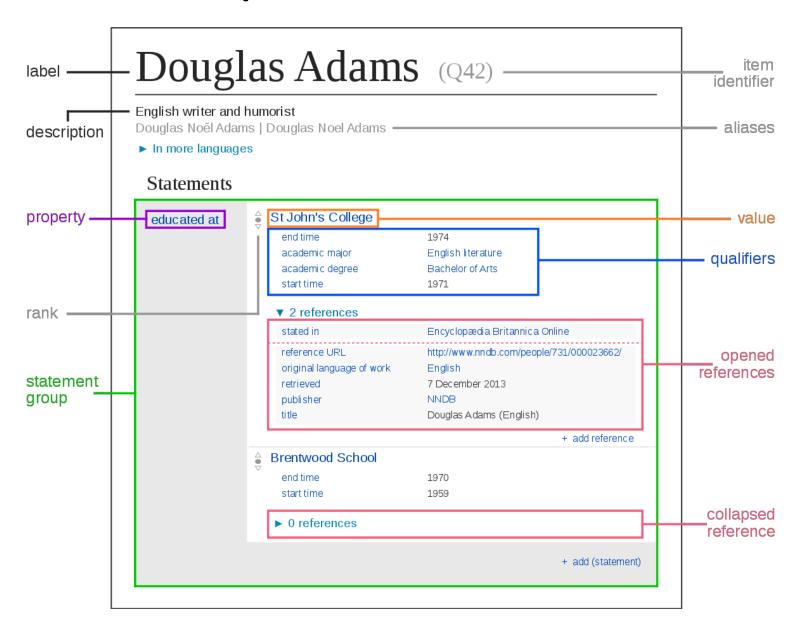
# **Example of Data Model**



#### Statements...

- Requirement: "Wikibase will not be about the truth, but about statements and their references"
- Doesn't model items, but statements about them
- Not "Berlin has a population of 3.5M"
- There's a statement of Berlin's population being 35M as of 2011 according to German statistical office

# **Example of Data Model**



#### Statements...

- A statement may have:
  - one property (in the example, "population")
  - one value (3.5 M)
  - optionally one or more qualifiers (in this example, "as of 2011" is one of the qualifiers)
  - optionally one or more references (the Germans statistical office)
- The property, value, and qualifiers together are also called the claim, which together with any source references forms a statement.