

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**

label

Douglas Adams (Q42)

item
identifier

description

English writer and humorist

Douglas Noël Adams | Douglas Noel Adams

aliases

► In more languages

Statements

property

educated at

St John's College

value

end time	1974
academic major	English literature
academic degree	Bachelor of Arts
start time	1971

qualifiers

rank

▼ 2 references

stated in	Encyclopædia Britannica Online
reference URL	http://www.nndb.com/people/731/000023662/
original language of work	English
retrieved	7 December 2013
publisher	NNDB
title	Douglas Adams (English)

opened
references

+ add reference

statement
group

▲
●
▼
Brentwood School

end time	1970
start time	1959

► 0 references

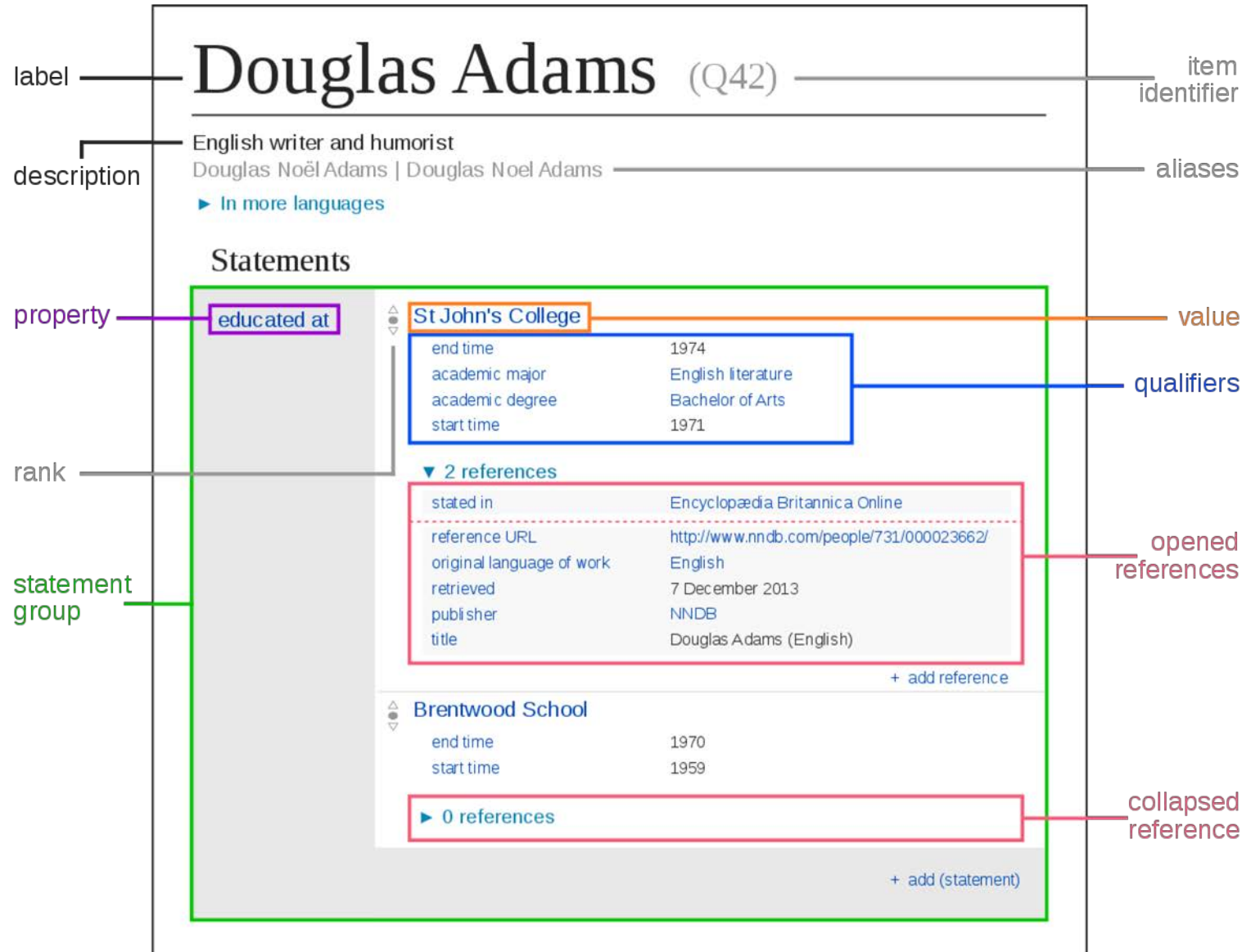
collapsed
reference

+ add (statement)

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**

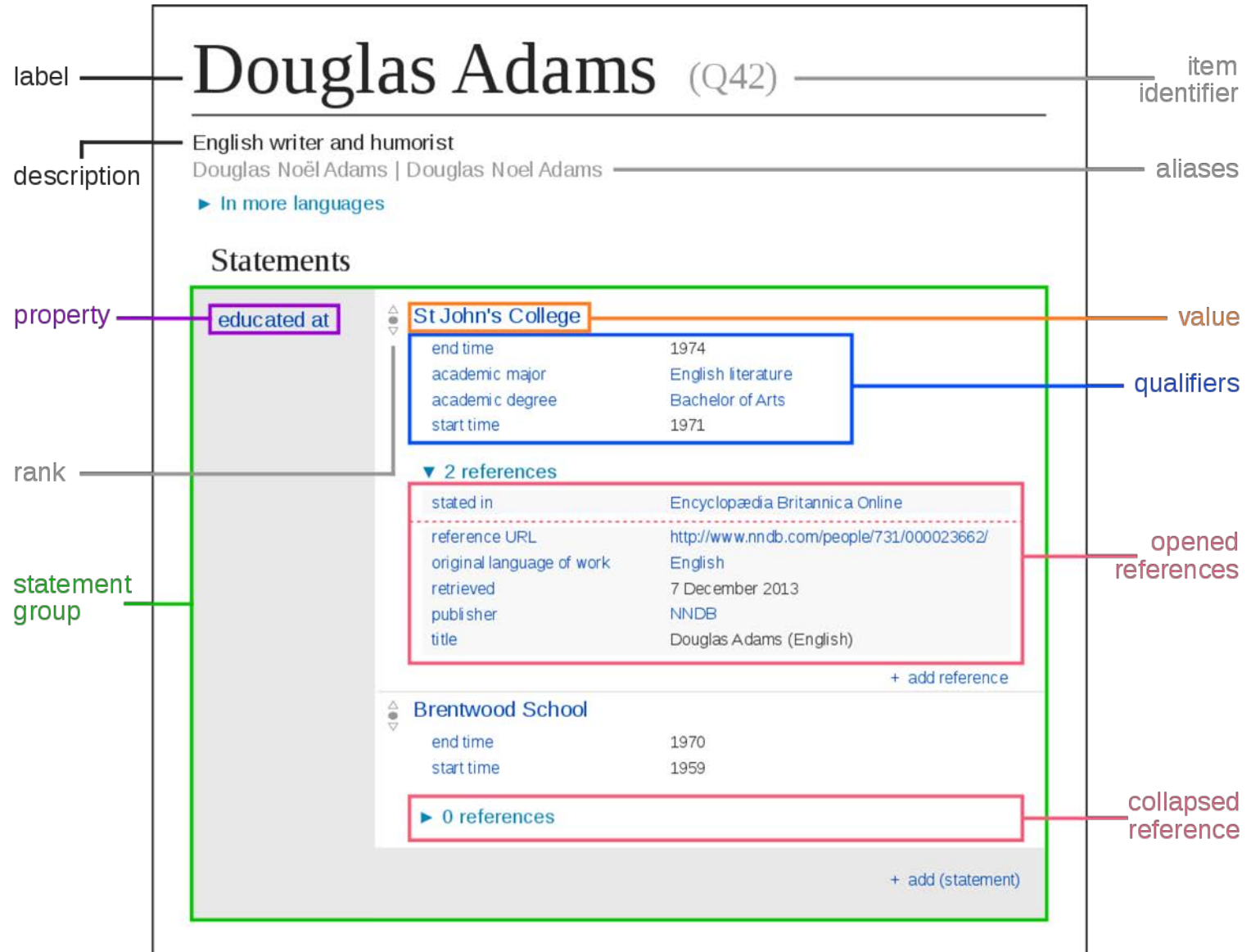
Example of Data Model



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.