Automobile Ontology (Group 11)

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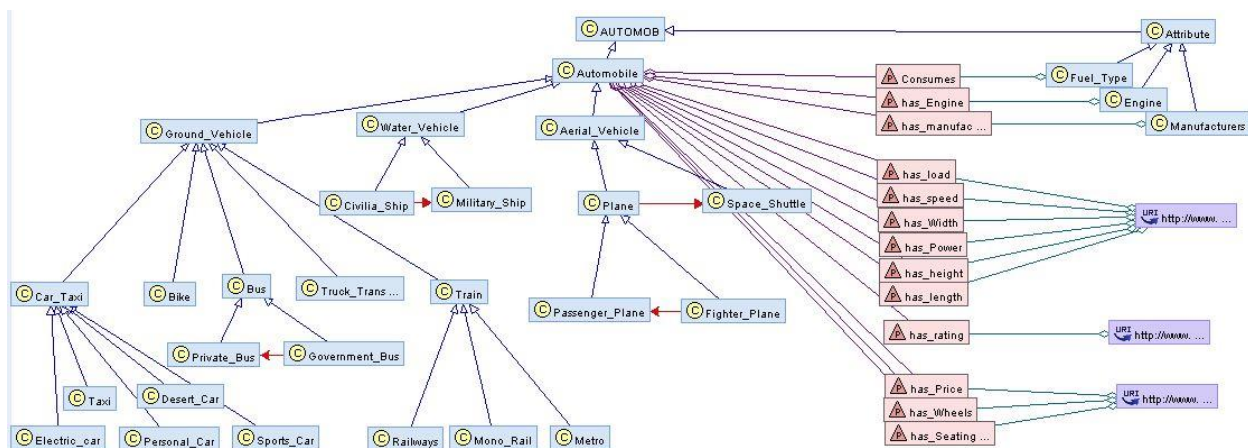## Objective

The objective of Automobile Ontology is to enable sweet search regarding automobile of any and every category. The search includes multimedia objects for attractive interface and implement easy to understand fashion. The Project focuses mainly on keyword based search and also sparql query based search to retrieve desired results.

Data Set Description

Data Set comprises mainly of images and videos annotated in order to enable keyword based searching and easy access upon sparql queries. We are using 75 images, 42 videos for our project divided into categories such as Sports Car, Metro, Mono Rail, Passenger Plane, Fighter Plane and many more.

Ontology Statistics

Ontology is designed in easy to use manner comprising of base class (Automob) having child Attributes and Automobile which further have subclasses as described by following graph.

All the child classes have individuals as their instances like Audi R8 for sports car, Delhi Metro for Metro, Apollo Space Shuttle for Space Shuttle and same for all.

Demo Goals

Goals can be summarized as follows

1. Help instructor understand how the project and its flow is working.
2. Help audience understand how to get flexible search related to their queries for the type of automobile they want.
3. To describe working and implementation of the project.
4. To give detailed description for every kind of automobile user searches for.