ISIT315- Spring 2020- Minor Assignment (Component 3)
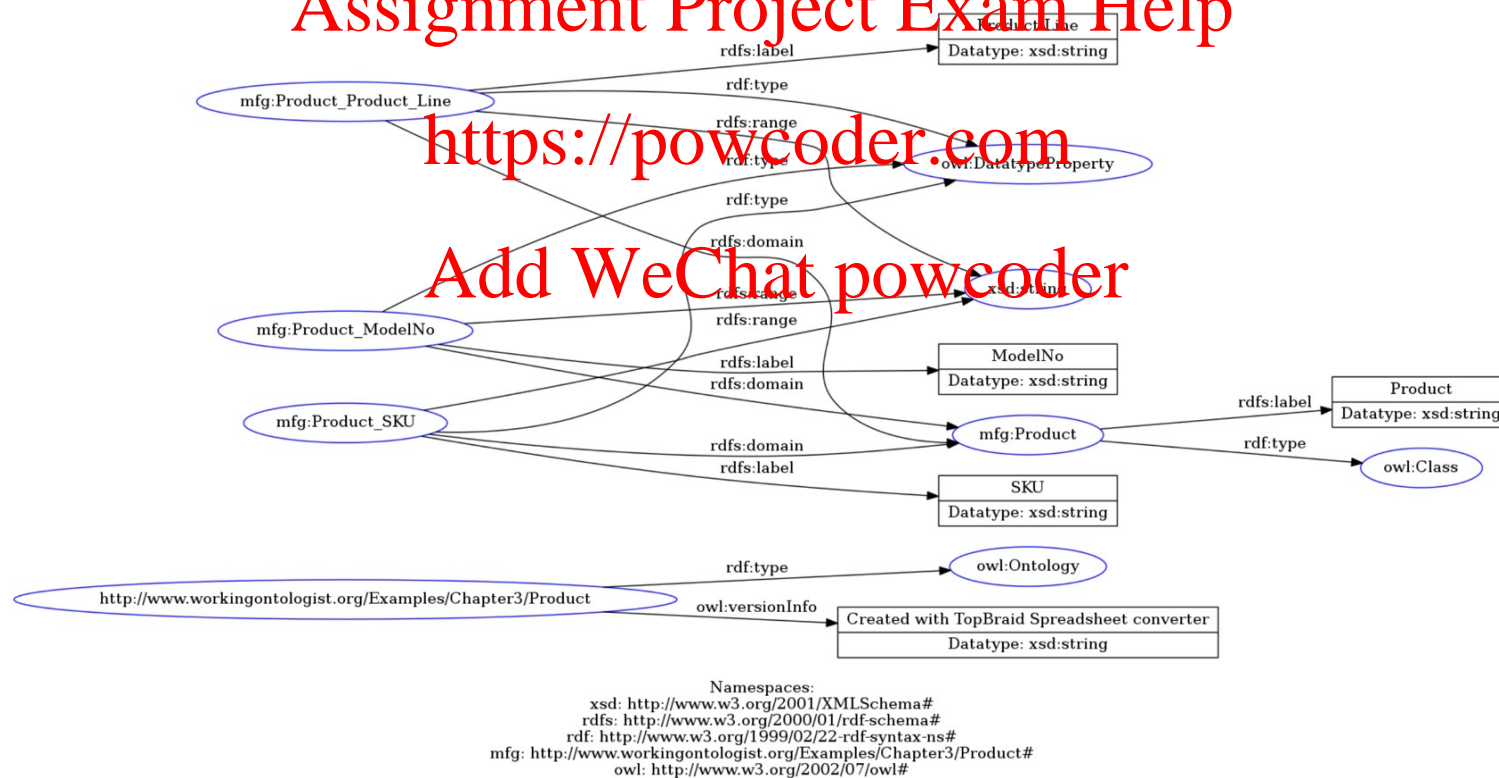
Lab 1 - Sep 23, 2020
This assignment is worth 10 Marks (10% of the Total)

<mark>Answer the following questions <u>within the lab</u> and submit your answers as a single word document <u>by the end of the lab</u>. <u>Please avoid including any screenshots, that will receive zero mark.</u></mark>

Part 1 (5 marks)

Write an RDF representation of the following graph of data using Turtle Syntax.

Assignment Project Exam Help

https://powcoder.com

Add WeChat powcoder

Part 2 (5 marks)

Using the attached movies dataset (Movies.ttl) and the following prefixes, write SPARQL queries for the given semantics. Please make sure your queries return the correct results (you can use GraphDB for validation).

base <http://example.com/movie/>
prefix xsd: <http://www.w3.org/2001/XMLSchema#>

2.1 List the titles of the top 5 comedies with the highest imdb_score whose aspect_ratio is above 2 (1.5 marks).

2.2 List, in ascending order, 5 countries with the lowest number of horror movies and at least one drama or action movie (1.5 marks).

2.3 Check if in any of the top 3 countries with the highest number of movies, the number of the movies made about zombie (use plot_keywords) is higher than the number of the movies made about love (2 marks).