Project Proposal

A FACTOID QUESTION AND ANSWER SYSTEM

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2. BRIEF

A factoid Question and Answer system which understands the question given in natural language and outputs answer to it using Wikipedia (DBpedia) as the backend database. DBpedia has a SPARQL endpoint which would be used to extract information. The domain of the system would be restricted to movies and books.

A. Motivation

With more and more exposure to the field of Natural Language Processing and conversational agents, this application will help as a backend for chatbots or other communication systems. Given a natural language query string, the system should be able to process and output the answer.

B. Examples of Questions

When was the movie released?

What was the movie gross collection?

Who is the director of the movie?

What is the genre of the movie?

3. SYSTEM OVERVIEW

I plan to use python to implement the system using various libraries already available. The database backend will be the DBpedia SPARQL endpoint. Querying will be done by determining the question type and subject using NLP techniques learnt in course.