Introduction

- **Inputs**: The input expects a question in English, a set of text or any database resources.

- **Output**: The output will be a set of possible answers drawn from the resources.

**What Should a Lease or Rental Agreement Include?**

The amount of rent that the tenant must pay

Background

Back to 1960s, research on automated QA in the field of AI has started. Many researchers have focused particularly in two main areas of QA called Open domain and Restricted domain question answering system.

According to Molla and Vicedo, the size of data, the database resources, and the domain context are important factors that can distinguish the open domain from the restricted domain questions answering systems.

Almost all of the QA systems consist of three main processing phases:

- Question Analysis
- Document Processing
- Answer selection

Problem

The QA general challenges:

- Processing the queries
- Analyzing the questions
- Context identification
- User adopted answers
- Lack of effective interfaces

The QA challenges in legal domain:

- Law is a jurisdictional subject in which the provided answer for a specific question varies by different geographical locations
- Providing legal information instead of legal advice in answer construction process

Future Direction

In order to provide information seekers with the accurate answers, this system needs to get beyond the surface-level and the lexico-syntactic analysis to the semantic analysis and the processing of textual, terminological, and ontological resources.

Proposed Framework

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**Questions:**

- Simple facts
- Complex in which judgments, knowledge of user and context are required

**Answers:**

- The simple factoid answers which are found in a single document
- Search the multiple sources
- Fusion of Information
- Resolution of data interpretations confliction
- Conclusions