

Overview of Question - Answering

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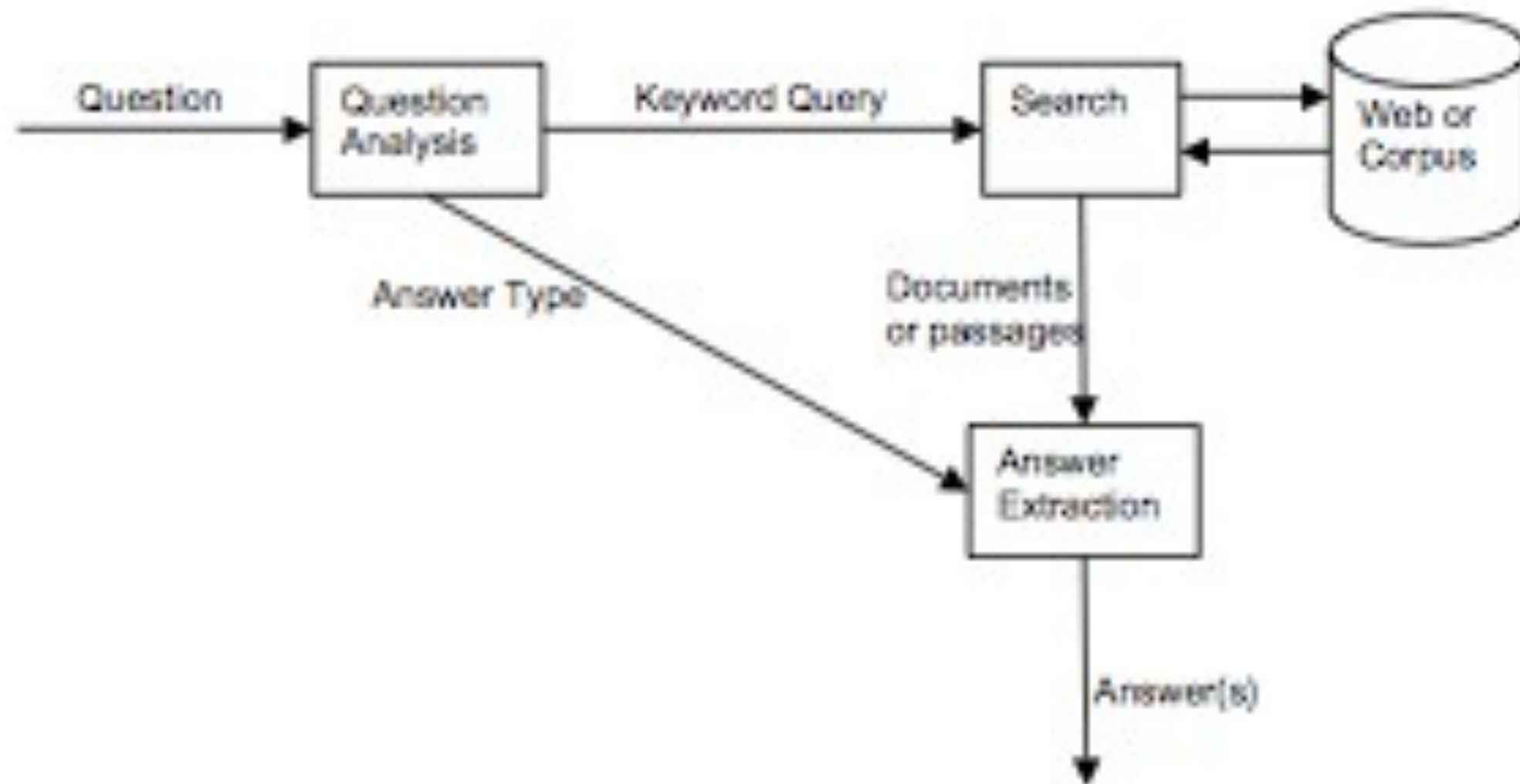
Analysis of QA Problem

- What is a question?
- How do we give our systems questions?
- Extractive systems
- Determining different types of questions

Types of Questions

<i>Types of Questions</i>	<i>Definition</i>	<i>Answer</i>	<i>Example</i>	<i>System of Evaluation</i>
Factoid	Asking about a simple fact or relationship.	Expressed in just a few words	How far is Yaroslavi from Moscow? Who is the Prime Minister of Japan?	TREC
List	Asking for all entities that satisfy a different criterion	Set of factoid responses {Answer, DocID}	What movies did James Dean appear in?	TREC
Definition	Asking for a set of facts about a particular entity	Collection of facts or properties	Who is Picasso?	NIST Dropped in REC2002
Other	Questions form a question series which consist of a number of factoid and list questions	Nuggets of relevant facts	n/a	TREC 2004
Relationship Questions	Whether or not a certain relationship existed What evidence there was for a relationship	Means by which one entity could influence another	n/a	TREC 2005

Overview of Building Blocks of QA System Architecture



Results of Systems

- Test to see whether or not a single correct answer is produced
- Compares answers against pre generated answer lists
- Methods of retrieving answers
- Problems with these evaluation methods?

Questions?