Biomedical Question Answering System (BioASQ)

11693 - Team 5

Xiao Han Yichen Cai Hongfei Zhang Ningna Wang

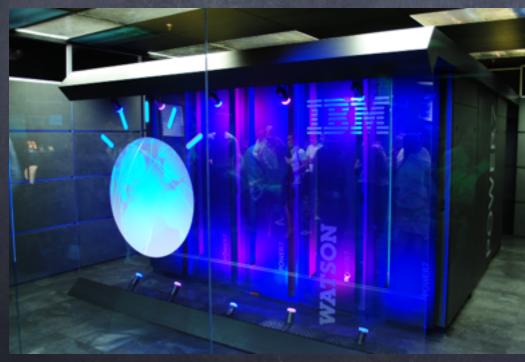
Introduction

What is Question Answering System (QAS)?

Question Answering System (QAS) is a system that automatically answer questions posed by humans in natural language

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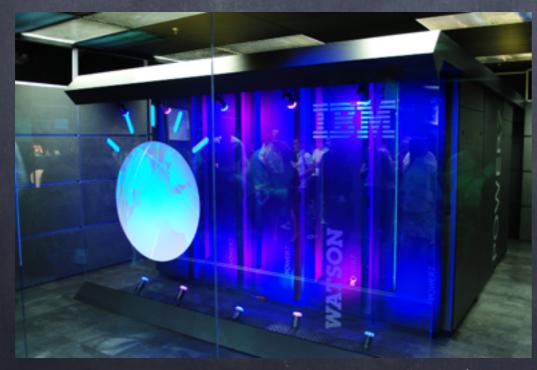
IBM's Watson



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What is Question Answering System (QAS)?

IBM's Watson



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Apple's Siri

What is Biomedical Question Answering System (BioASQ)?

types of biomedical questions

e Factoid Questions

e.g. "Where in the cell do we find the protein Cep135?"

o Yes/No Questions

e.g. "Are there any DNMT3 proteins present in plants?"

e List Questions

e.g. like "Which forms of cancer is the Tpl2 gene associated with?"

o Summary Questions

e.g. "What is the mechanism of action of anticoagulant medication Dabigatran?"

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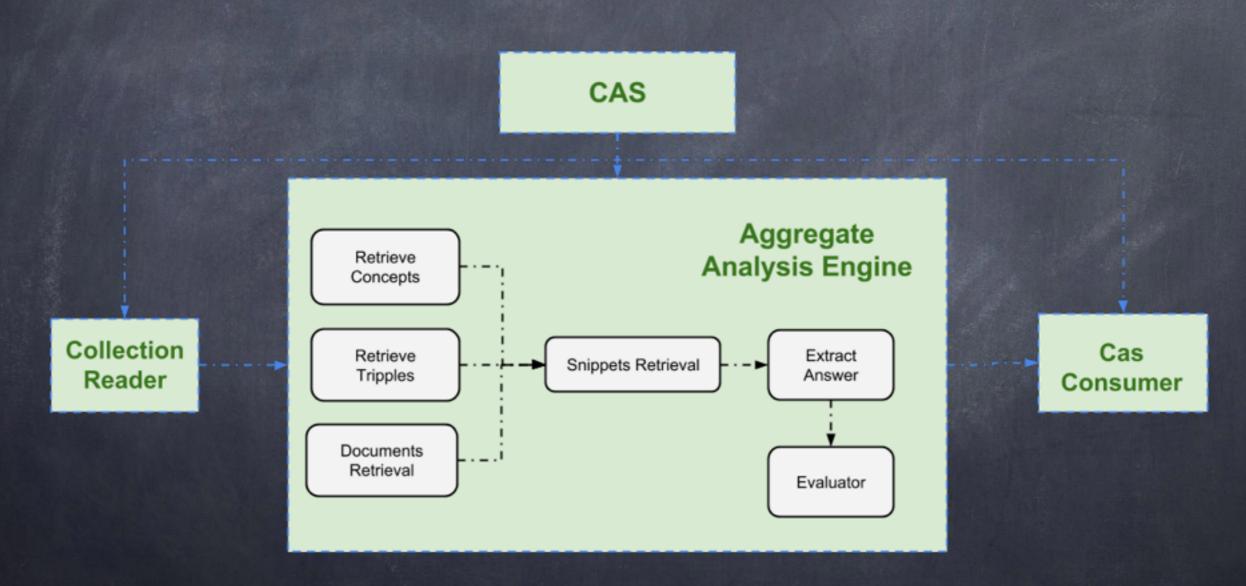
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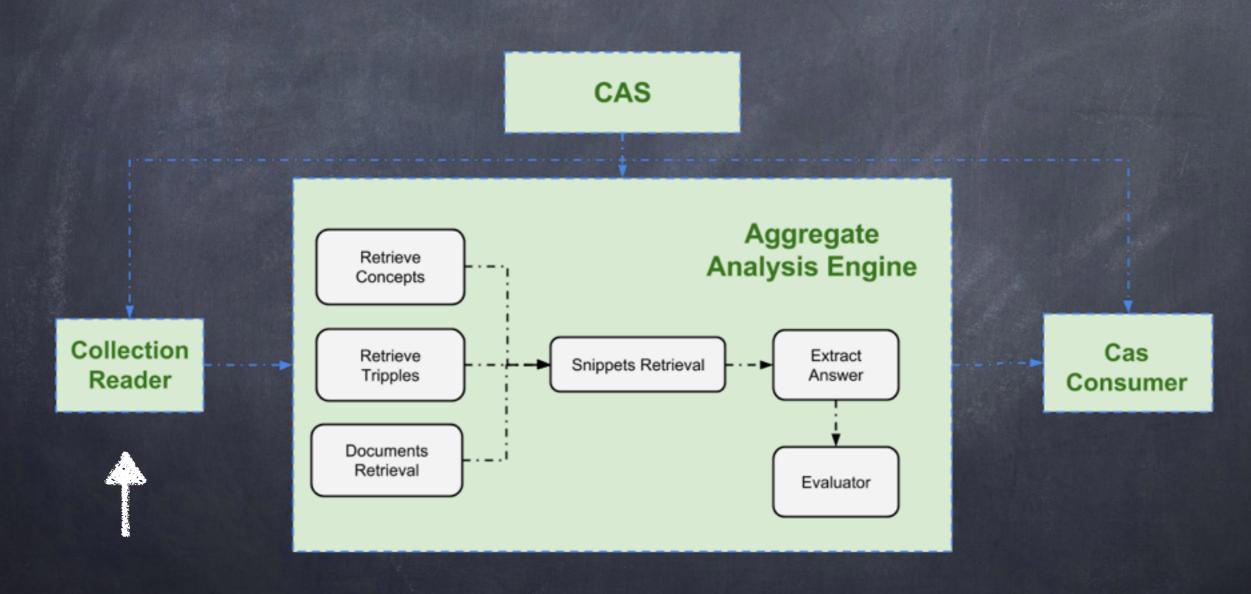
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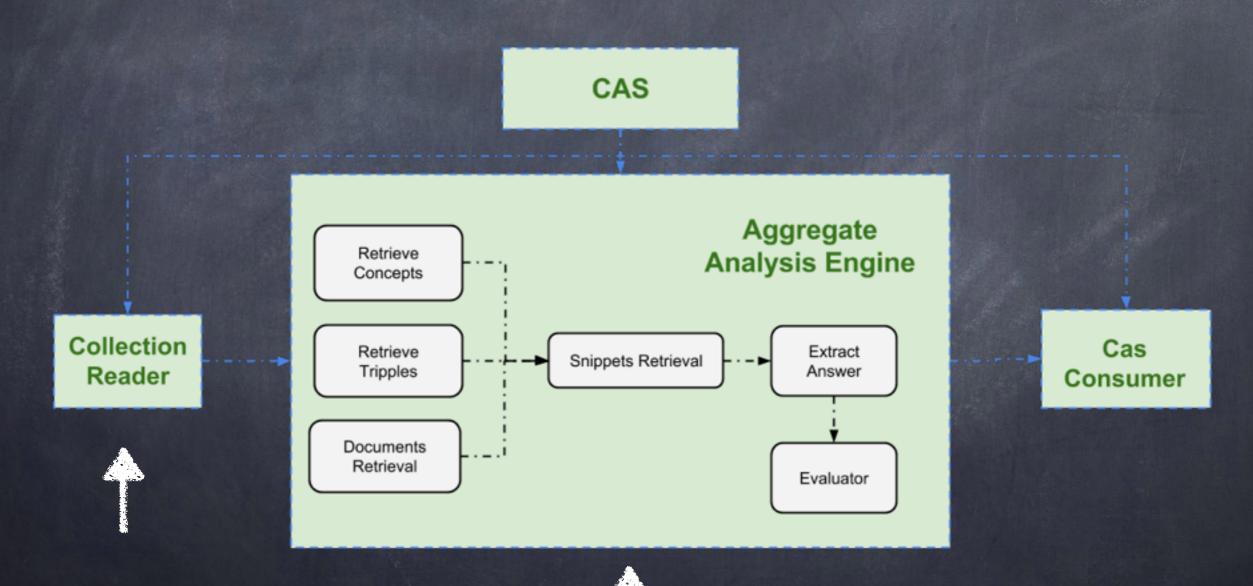
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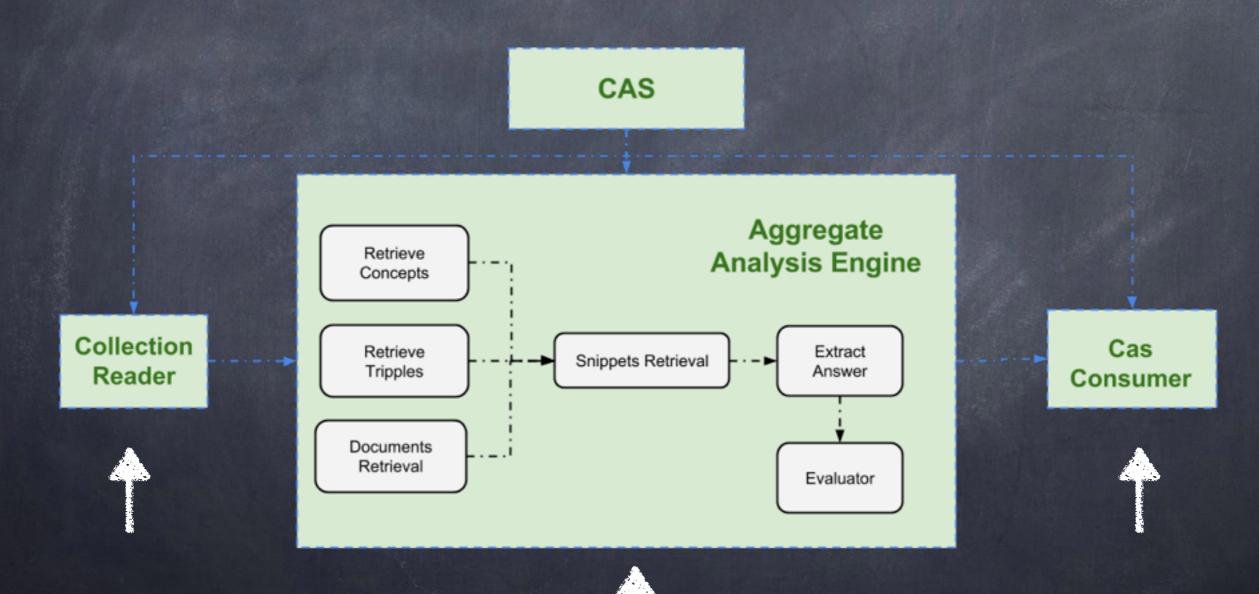
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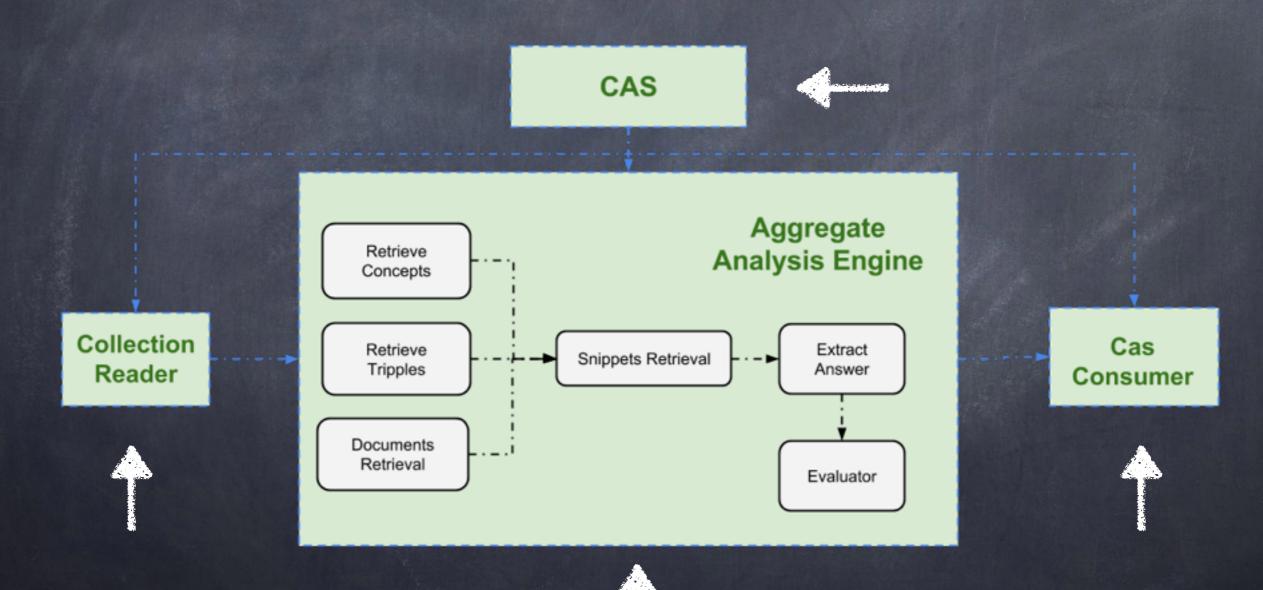
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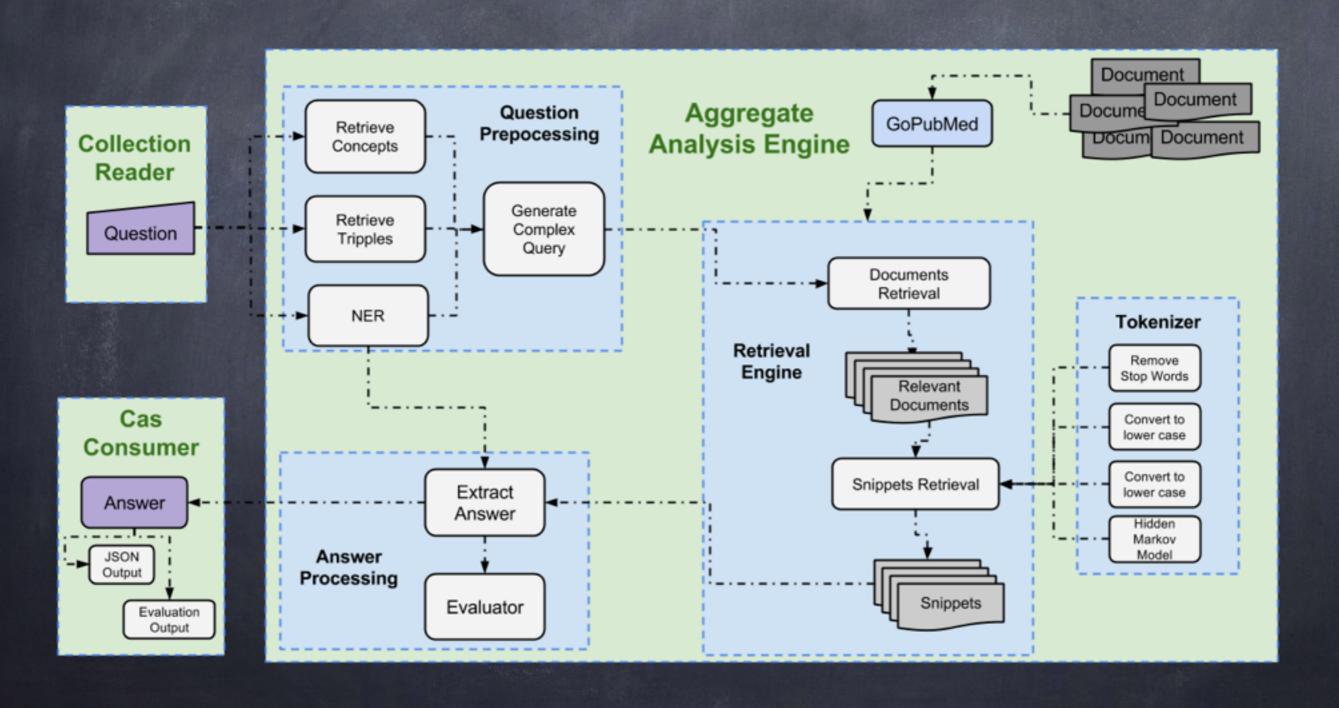


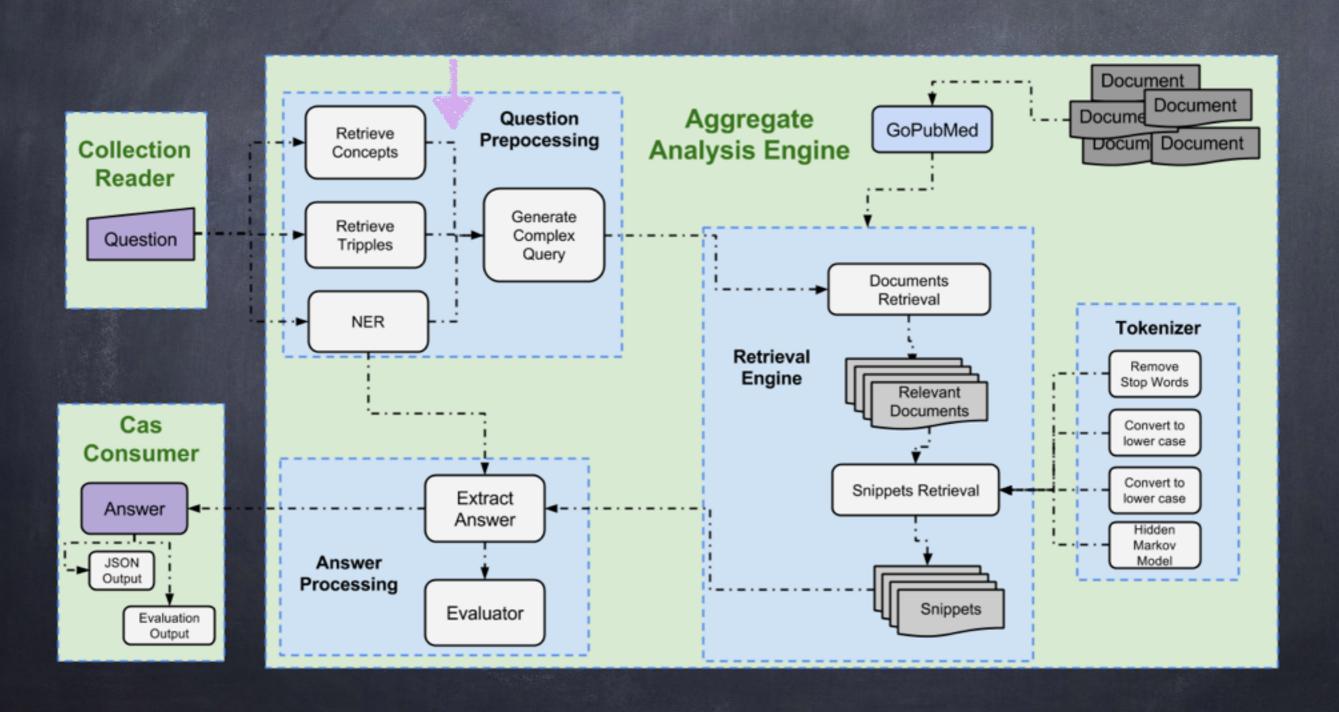


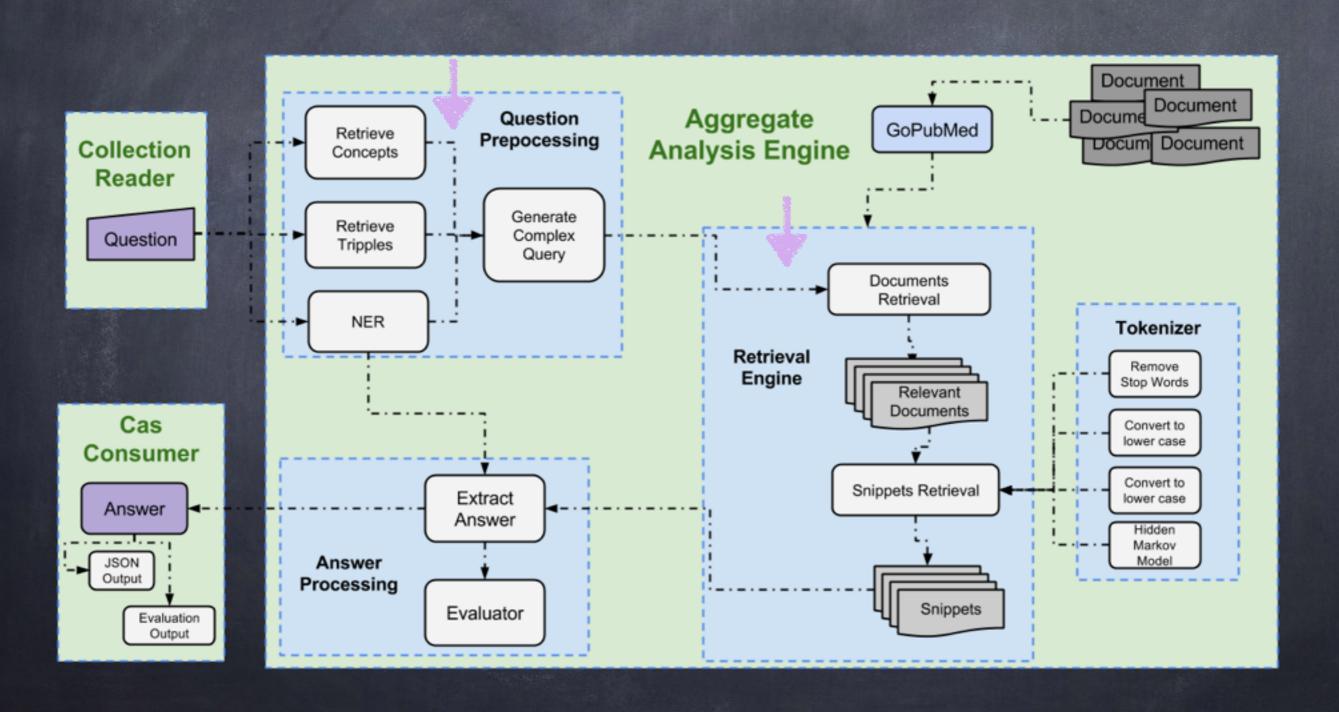


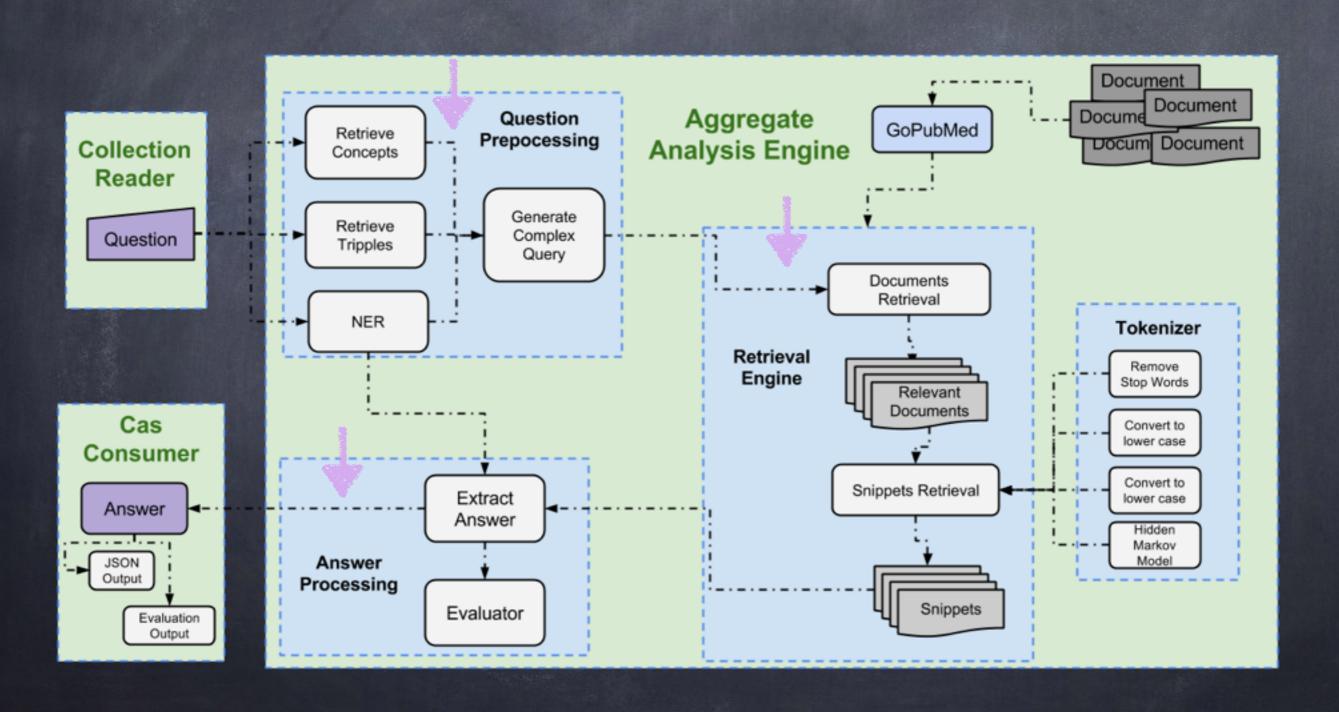


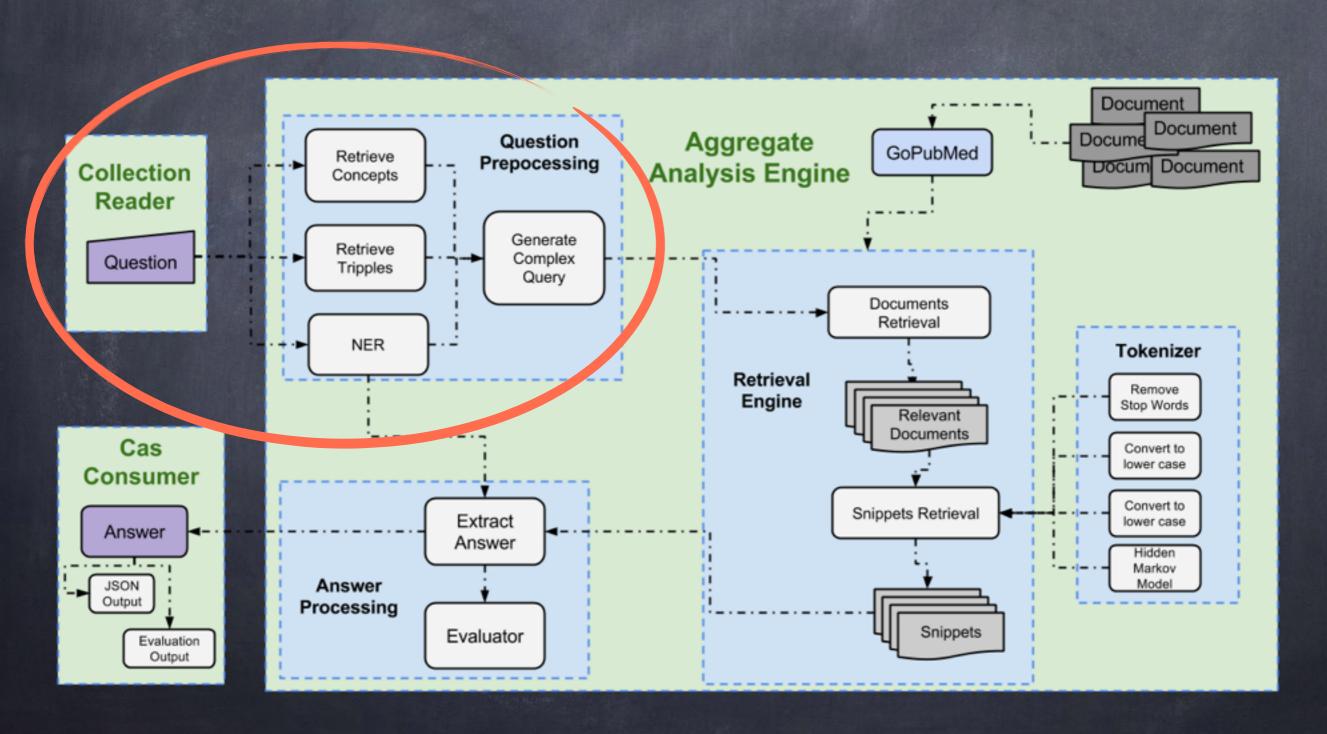


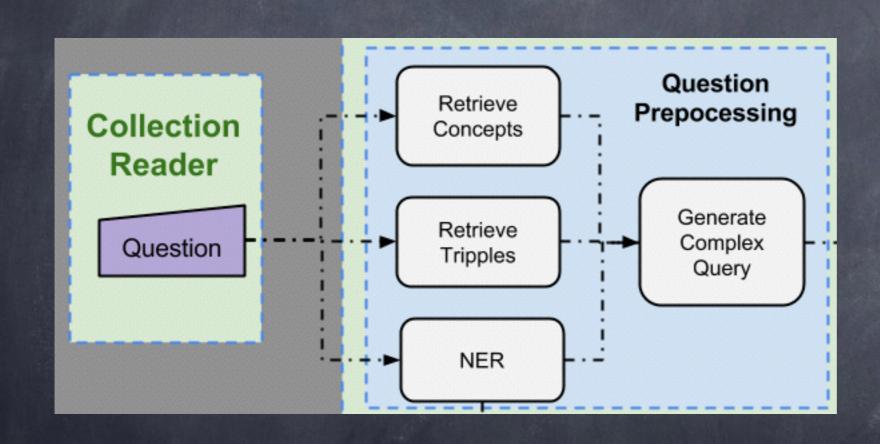




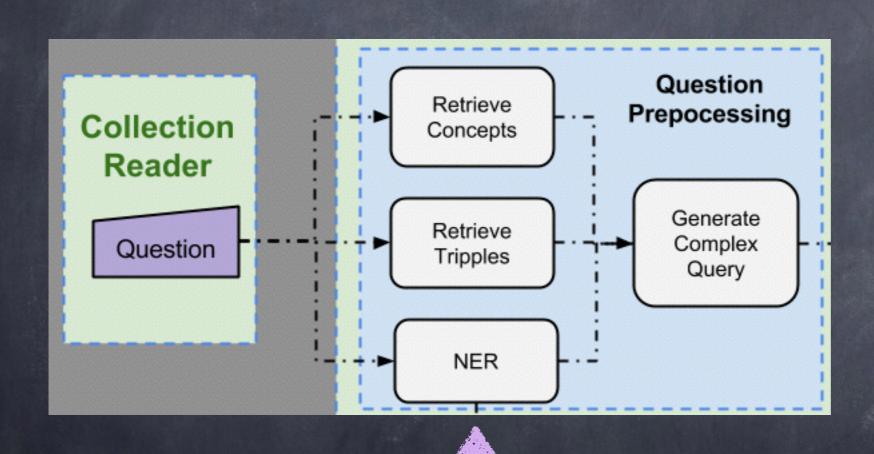




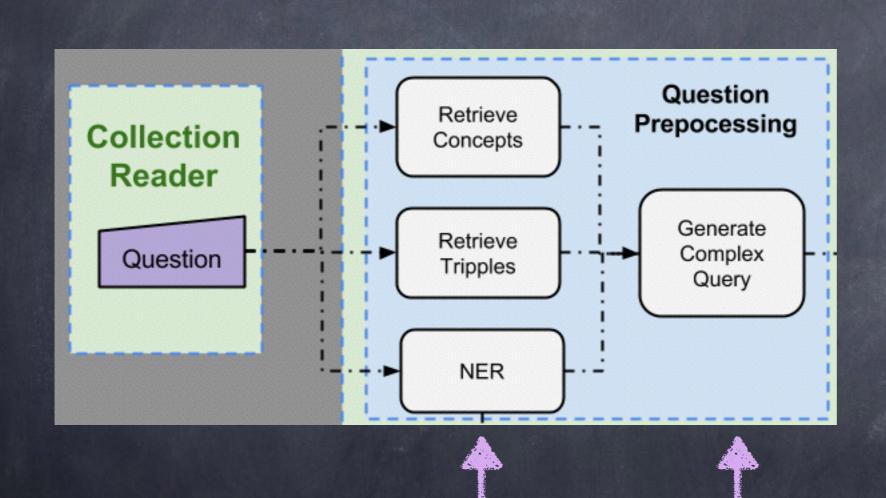




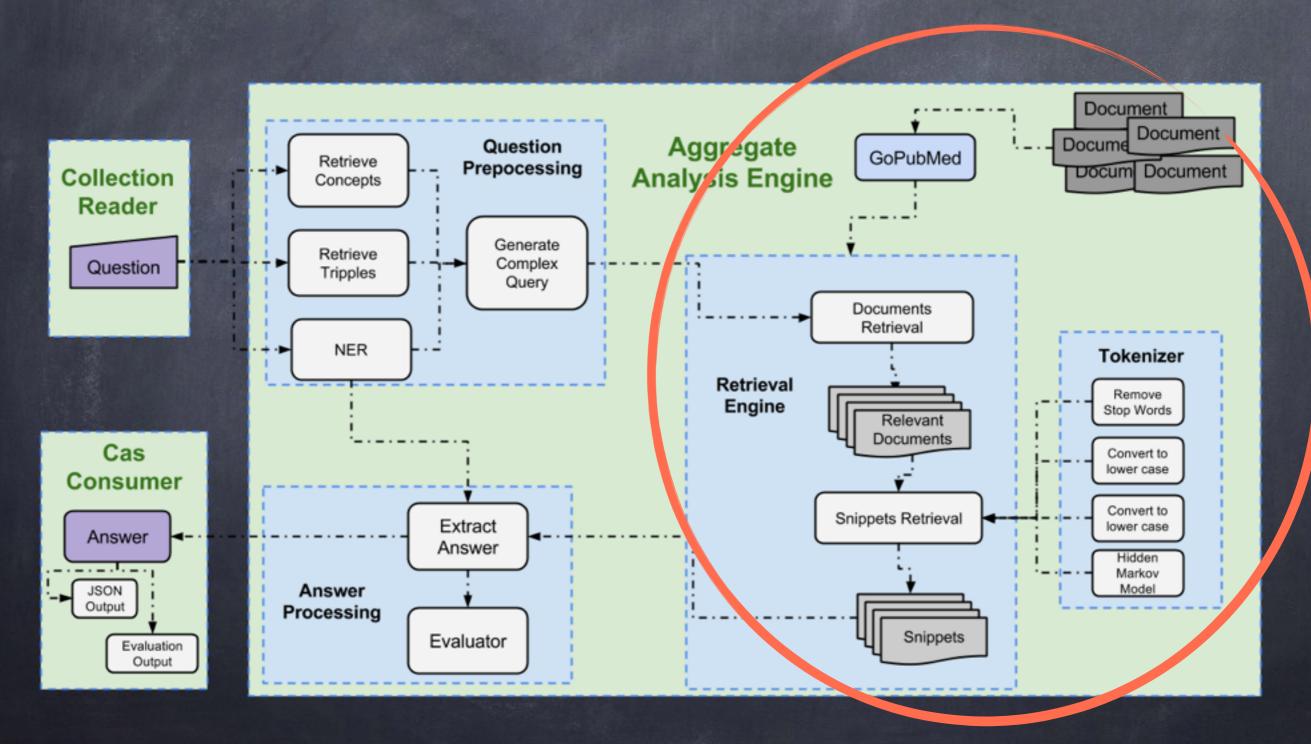
1. Question preprocessing

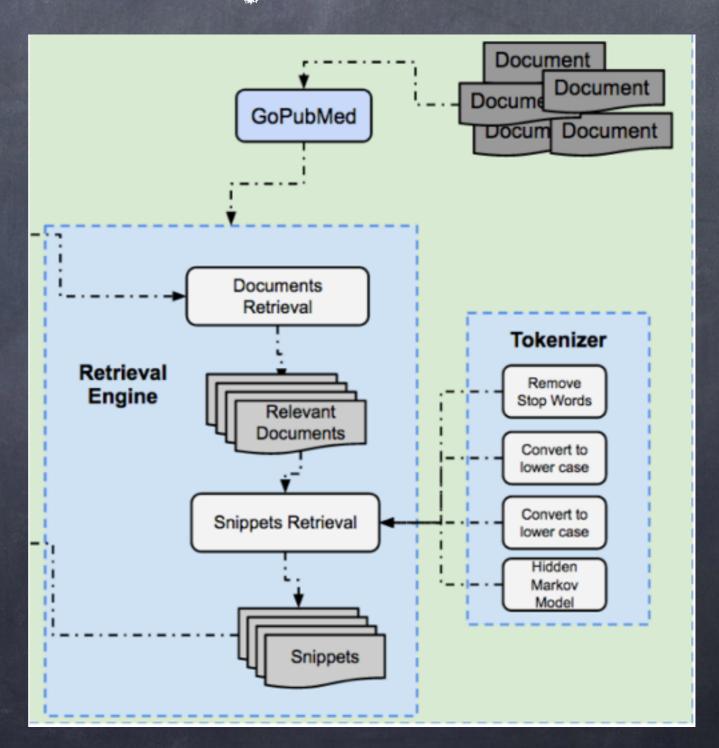


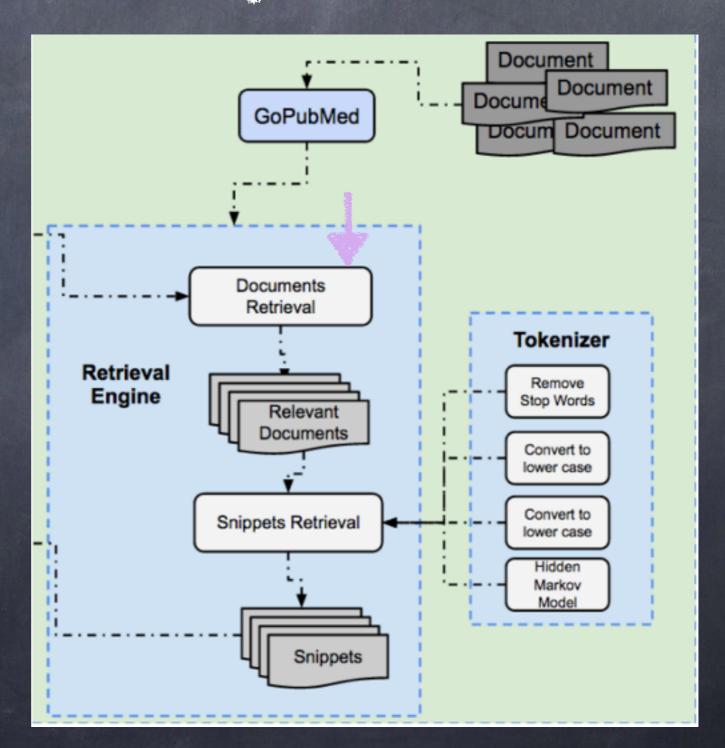
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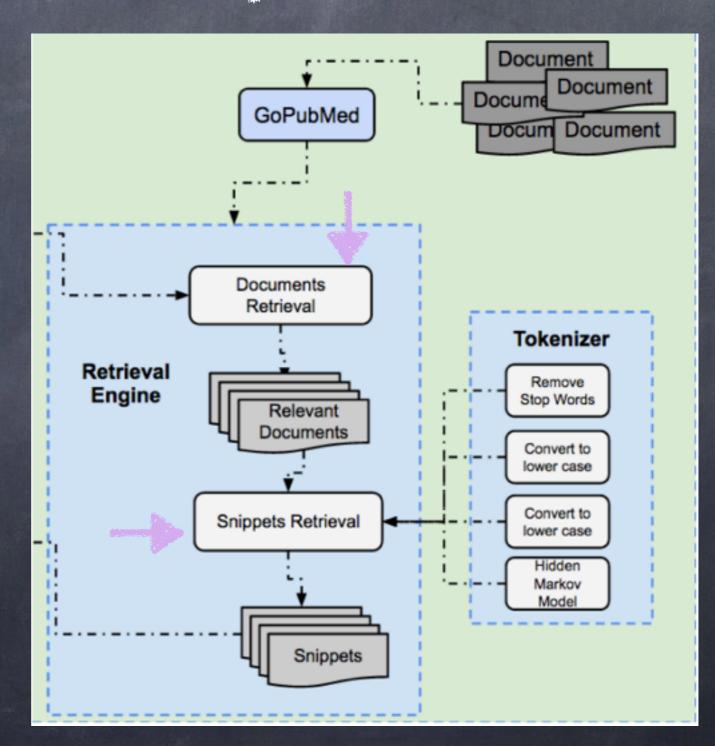


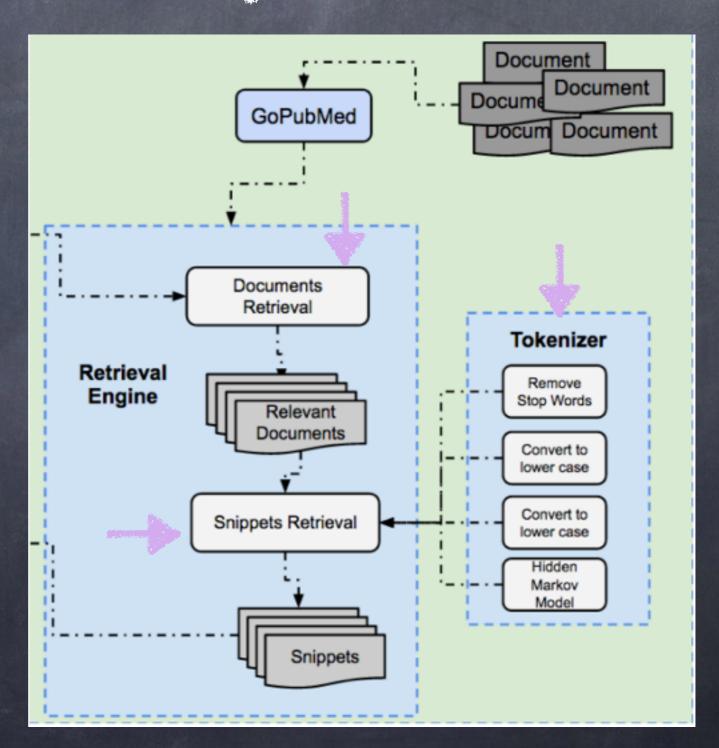
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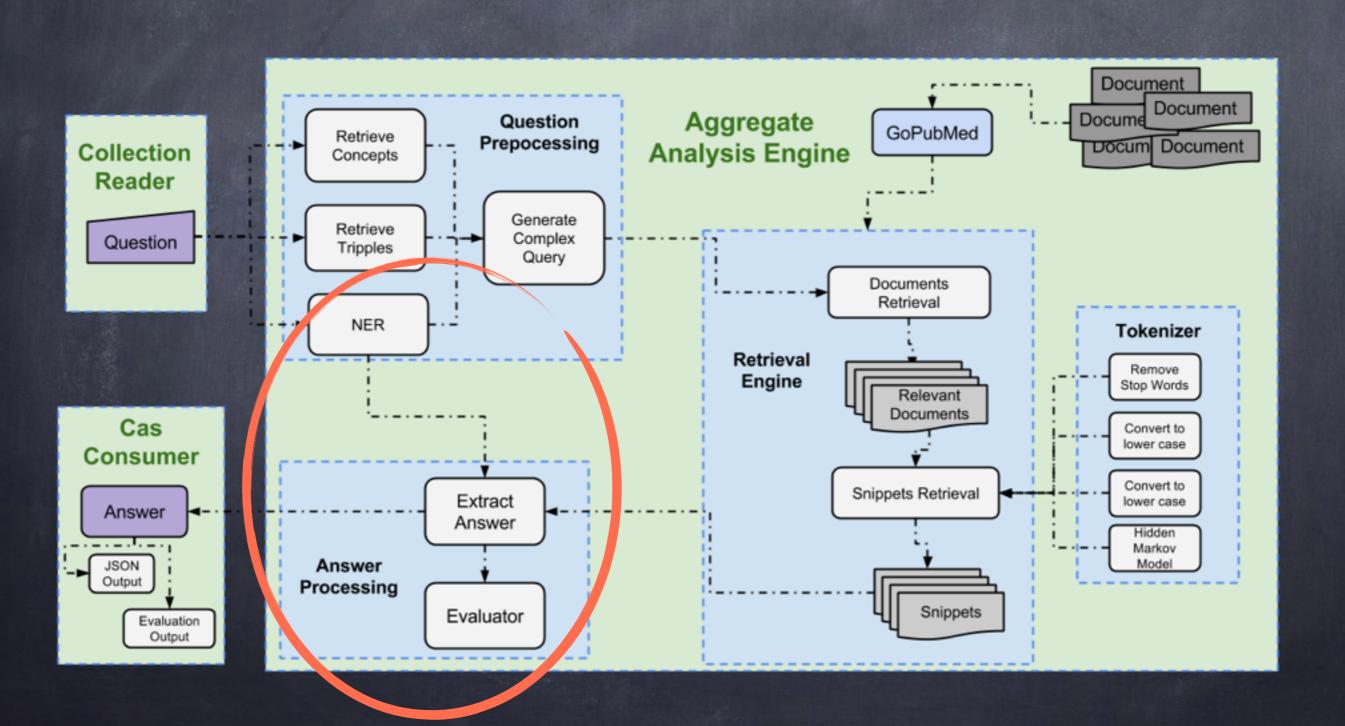


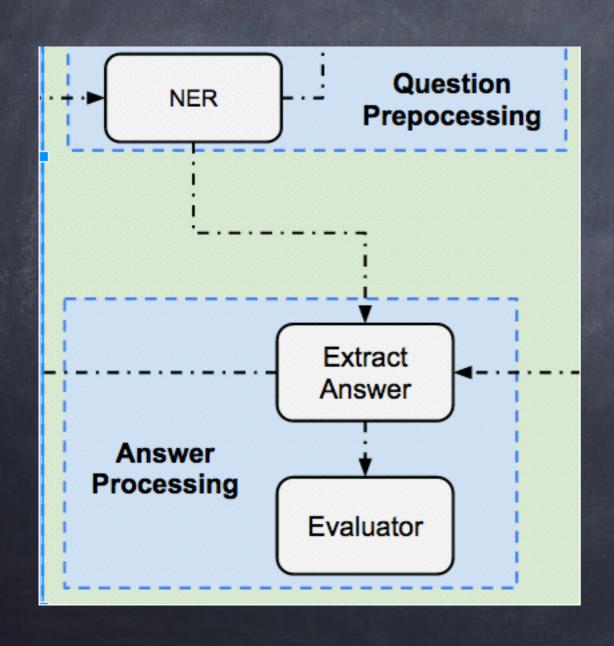


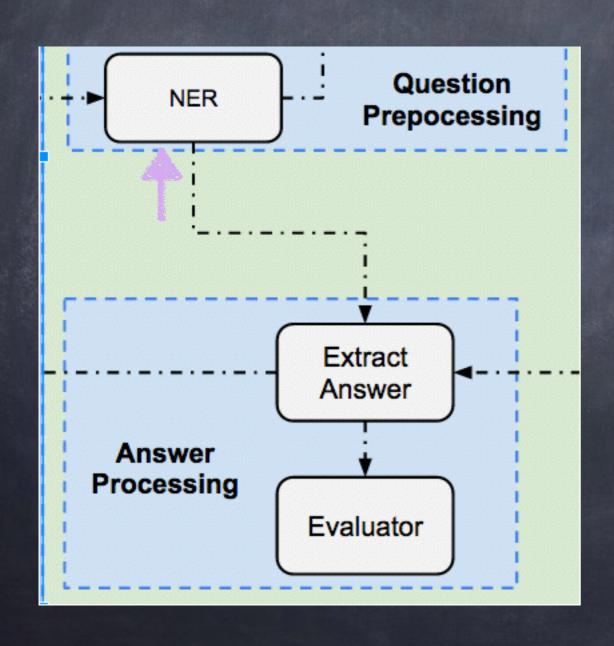


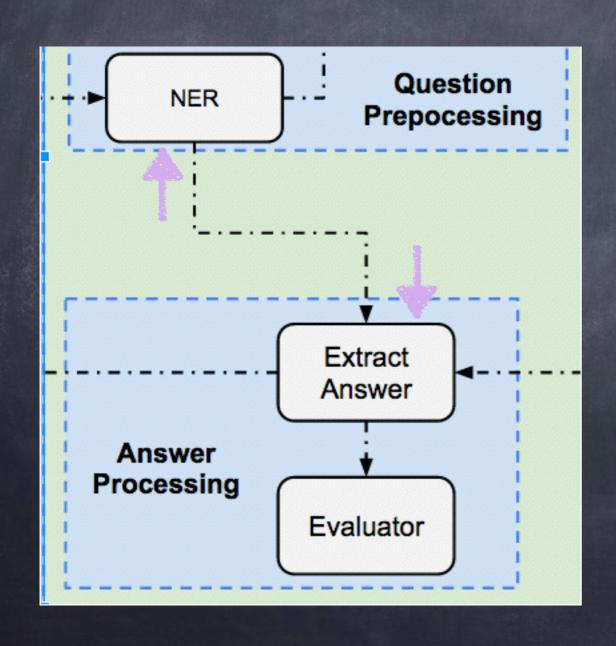


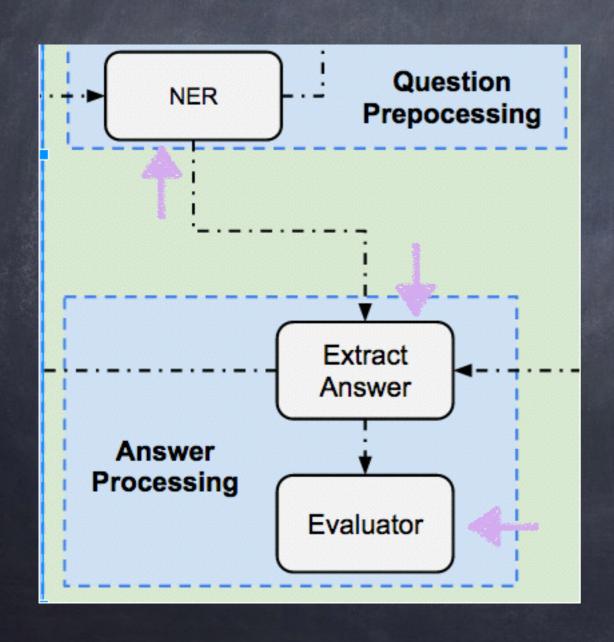












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