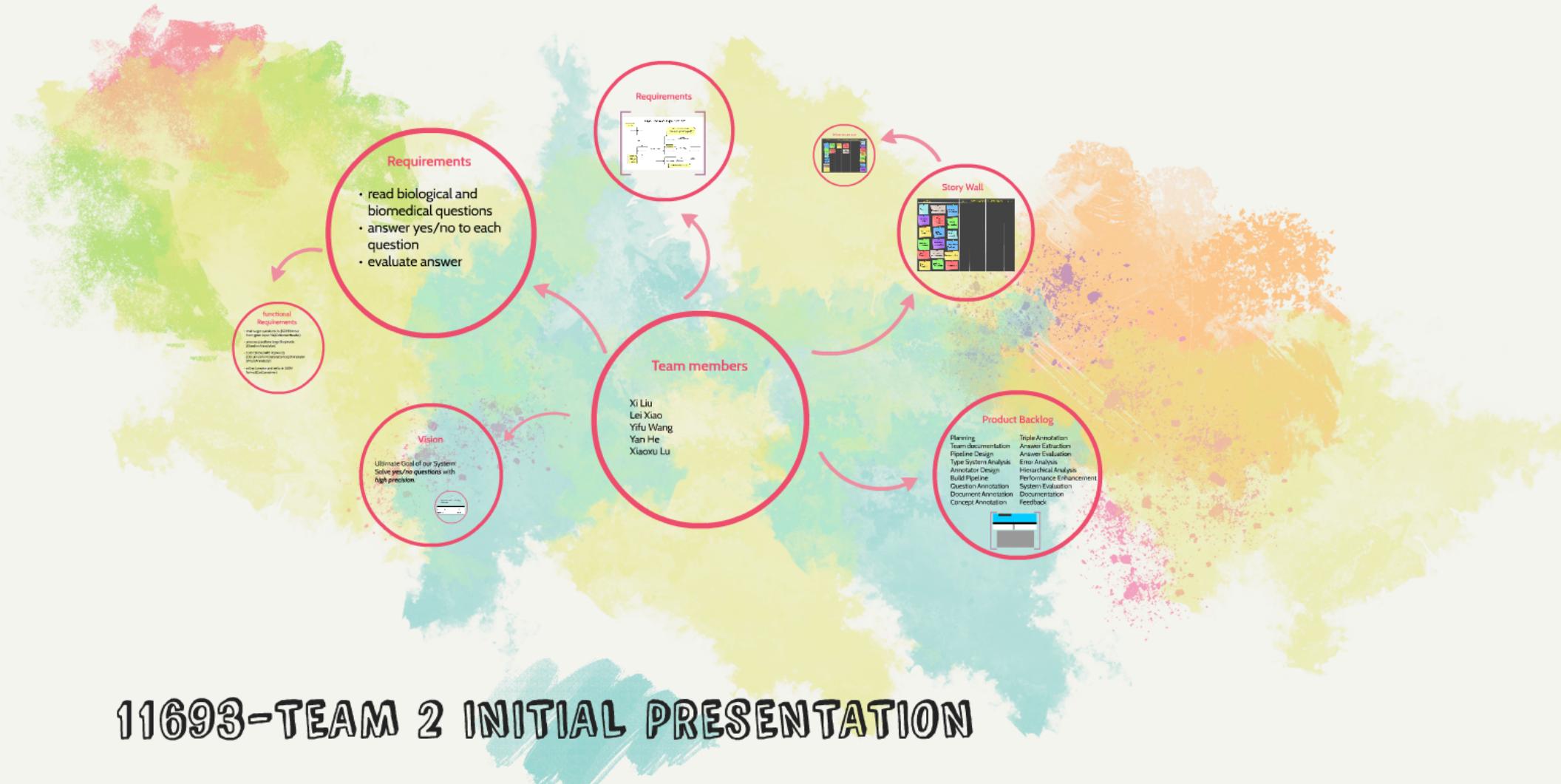
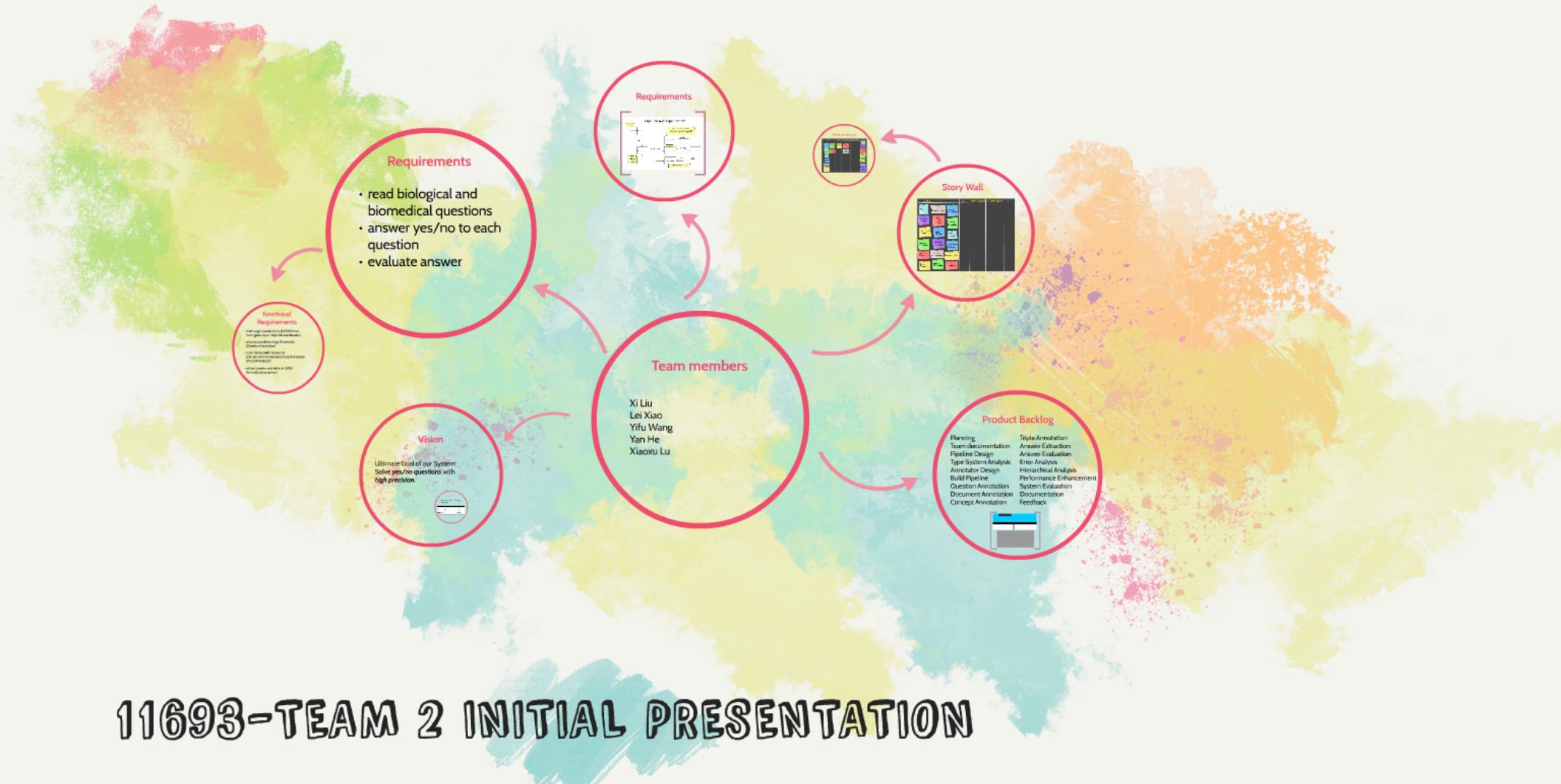


# 11693-TEAM 2 INITIAL PRESENTATION



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## Team members

Xi Liu

Lei Xiao

Yifu Wang

Yan He

Xiaoxu Lu

# Vision

Ultimate Goal of our System:  
**Solve *yes/no questions* with  
*high precision.***

We aim to crack the following challenges:

Milestones	Date
Question Process and Extraction	12 Nov 2024
Related Documents/Concept Selection	17 Nov 2024
Answer Extraction	20 Nov 2024
Answer Selection	23 Nov 2024
Performance Evaluation and Enhancement	30 Nov 2024

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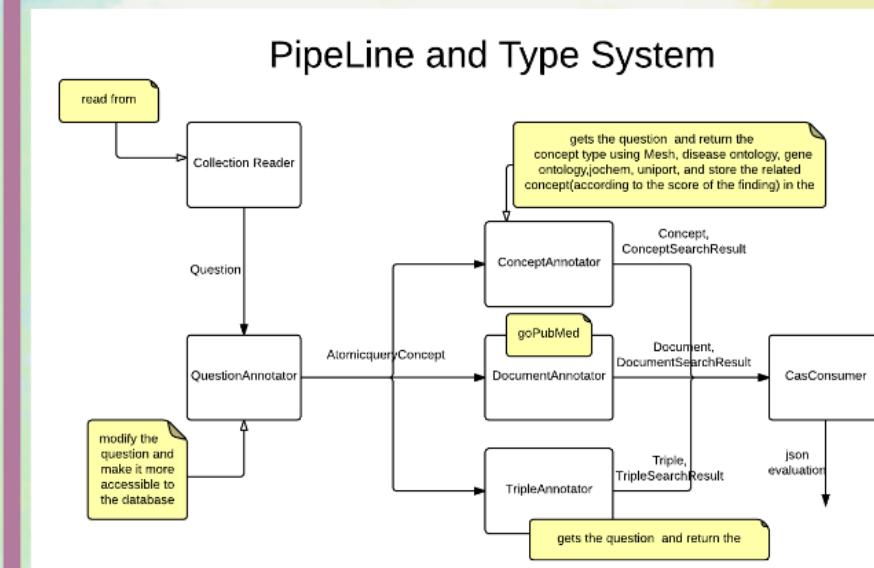
# Requirements

- read biological and biomedical questions
- answer yes/no to each question
- evaluate answer

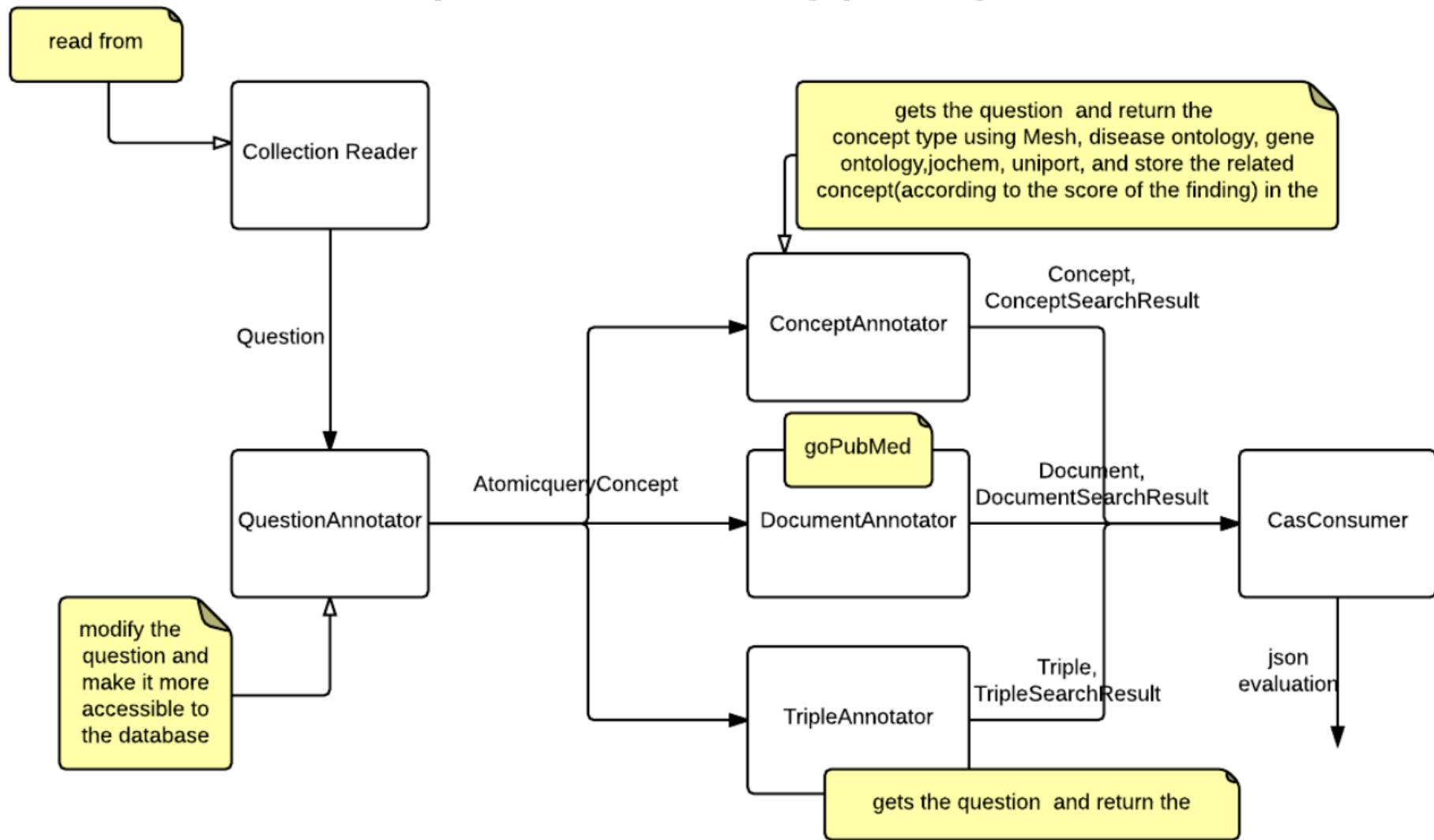
# functional Requirements

- read target questions in JSON format from given input file(CollectionReader)
- process questions to get keywords (QuestionAnnotator)
- text retrieval with keywords (DocumentAnnotator&ConceptAnnotator &TripleAnnotator)
- extract answer and write in JSON format(CasConsumer)

# Requirements



# PipeLine and Type System



# Story Wall

Backlog	Sprint	In Development	Ready for Testing	Done
<p>Planing</p> <p>Pipeline Design</p> <p>Annotator Design</p> <p>Question Annotation</p> <p>Concept Annotation</p> <p>Triple Annotation</p> <p>Team Documentation</p> <p>Type System Analysis</p> <p>Build Pipeline</p> <p>Document Annotation</p> <p>Performance Enhancement</p> <p>System Evaluation</p> <p>Answer Extraction</p> <p>Answer Evaluation</p> <p>Error Analysis</p> <p>Hierarchical Analysis</p> <p>Documentation</p> <p>Feedback</p>				

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## Where we are now

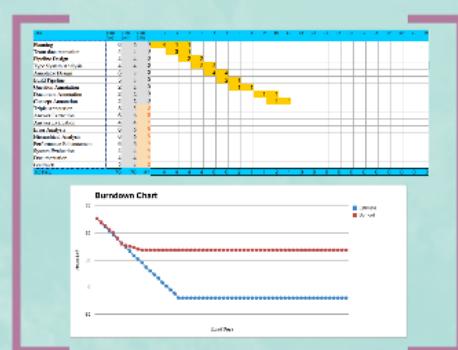
Backlog	Sprint	In Development	Ready for Testing	Done
<p>Answer Extraction</p> <p>Answer Evaluation</p> <p>Error Analysis</p> <p>Hierarchical Analysis</p> <p>Performance Enhancement</p> <p>Documentation</p>	<p>Snippet Retrieve</p> <p>Feedback</p>	<p>Type System Analysis</p> <p>Team Documentation</p>		<p>Planing</p> <p>Pipeline Design</p> <p>Concept Annotation</p> <p>Annotator Design</p> <p>Question Annotation</p> <p>Triple Annotation</p> <p>Build Pipeline</p> <p>Document Annotation</p>

Backlog	Sprint	In Development	Ready for Testing	Done
<p>Answer Extraction</p> <p>Answer Evaluation</p> <p>Error Analysis</p> <p>Hierarchical Analysis</p> <p>Performance Enhancement</p> <p>Documentation</p>	<p>System Evaluation</p> <p>Feedback</p> <p>Snippet Retrieve</p>	<p>Type System Analysis</p> <p>Team Documentation</p>		<p>Planing</p> <p>Pipeline Design</p> <p>Concept Annotation</p> <p>Annotator Design</p> <p>Question Annotation</p> <p>Triple Annotation</p> <p>Build Pipeline</p> <p>Document Annotation</p>

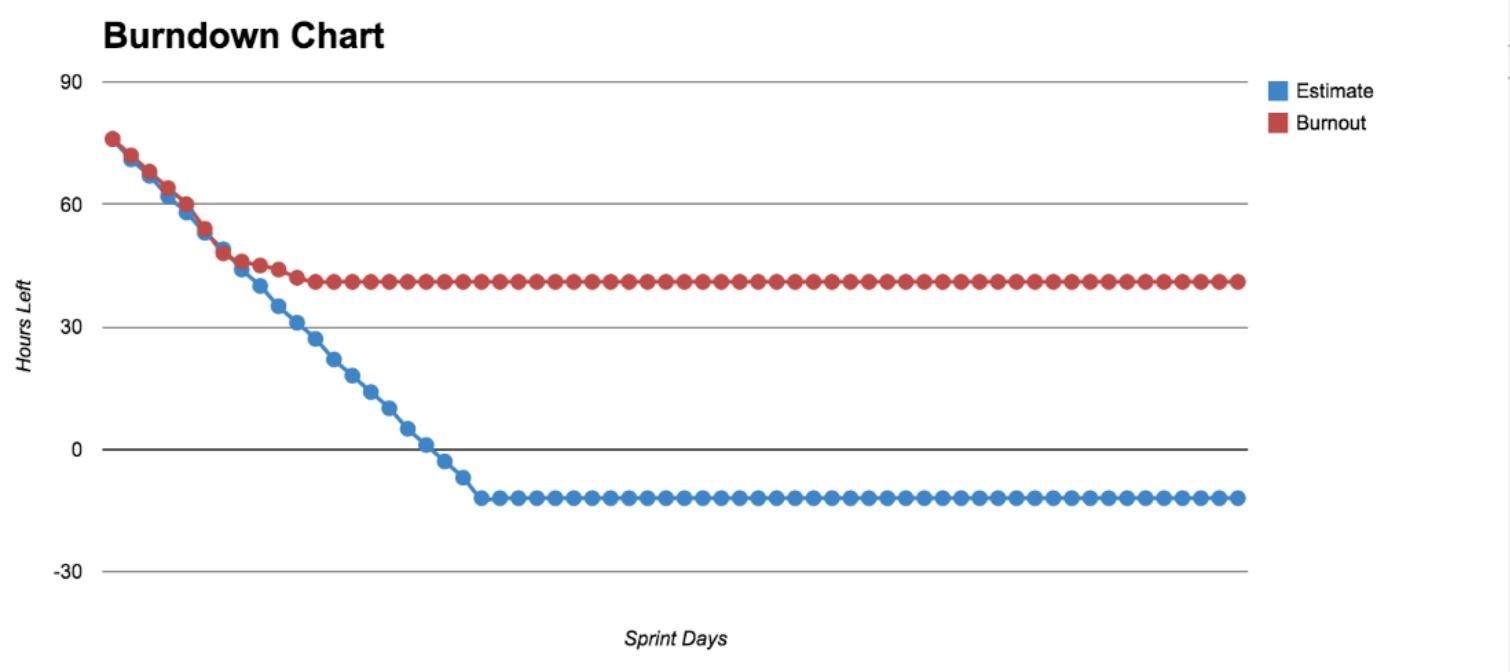
# Product Backlog

Planning  
Team documentation  
Pipeline Design  
Type System Analysis  
Annotator Design  
Build Pipeline  
Question Annotation  
Document Annotation  
Concept Annotation

Triple Annotation  
Answer Extraction  
Answer Evaluation  
Error Analysis  
Hierarchical Analysis  
Performance Enhancement  
System Evaluation  
Documentation  
Feedback

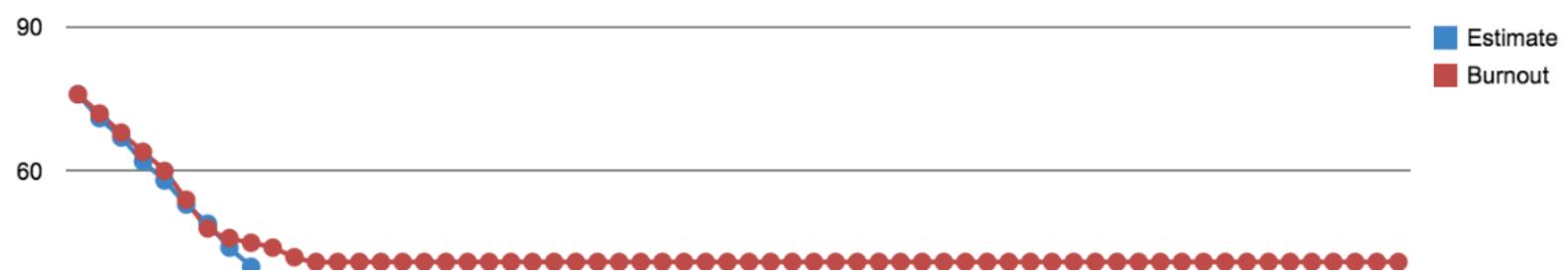


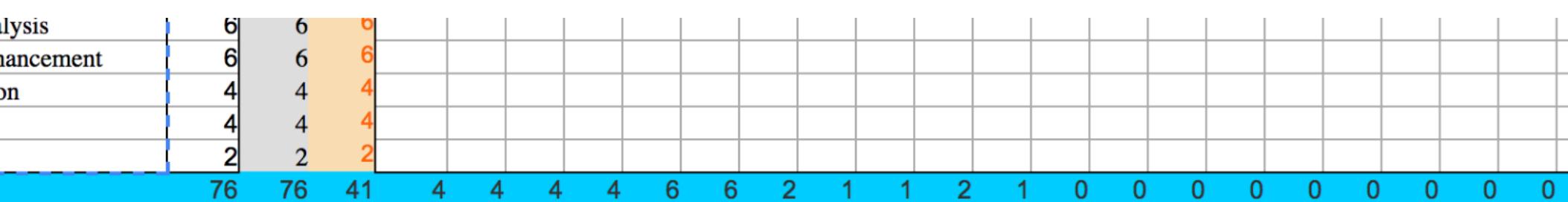
Task	Time (est)	Time (act)	Time (left)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	30	
Planning	6	6	0	4	1	1																				
Team documentation	4	4	0		3	1																				
Pipeline Design	4	4	0		2	2																				
Type System Analysis	4	4	0		2	2																				
Annotator Design	8	8	0		4	4																				
Build Pipeline	3	3	0		2	1																				
Question Annotation	2	2	0		1	1																				
Document Annotation	2	2	0		1	1																				
Concept Annotation	2	2	0		1	1																				
Triple Annotation	3	3	0																							
Answer Extraction	6	6	0																							
Answer Evaluation	4	4	0																							
Error Analysis	6	6	0																							
Hierarchical Analysis	6	6	0																							
Performance Enhancement	6	6	0																							
System Evaluation	4	4	0																							
Documentation	4	4	0																							
Feedback	2	2	0																							
TOTAL		76	76	41	4	4	4	4	6	6	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	



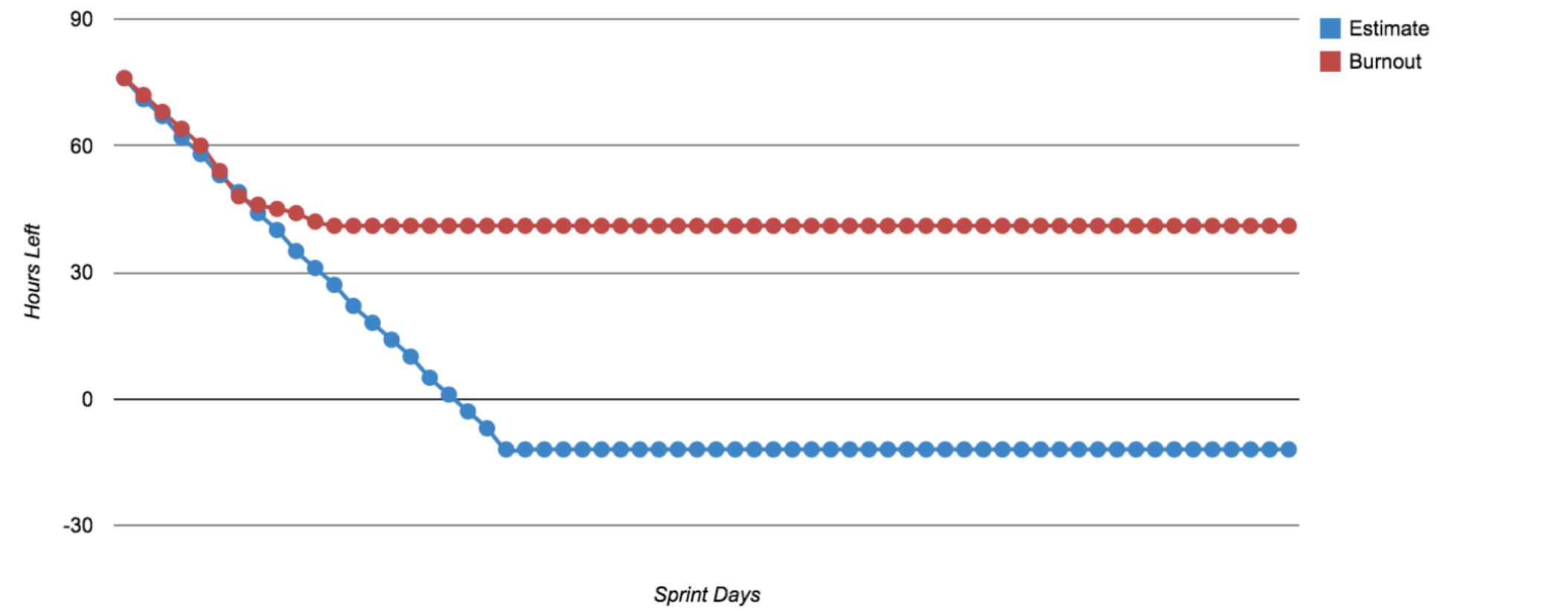
Task	Time (est)	Time (act)	Time (left)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	30	
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Pipeline Design	4	4	0		2	2																				
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System Evaluation	4	4	0	4																						
Documentation	4	4	0	4																						
Feedback	2	2	0	2																						
<b>TOTAL</b>		<b>76</b>	<b>76</b>	<b>41</b>	4	4	4	4	6	6	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	

## Burndown Chart





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