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Visual Representation of Pipelines
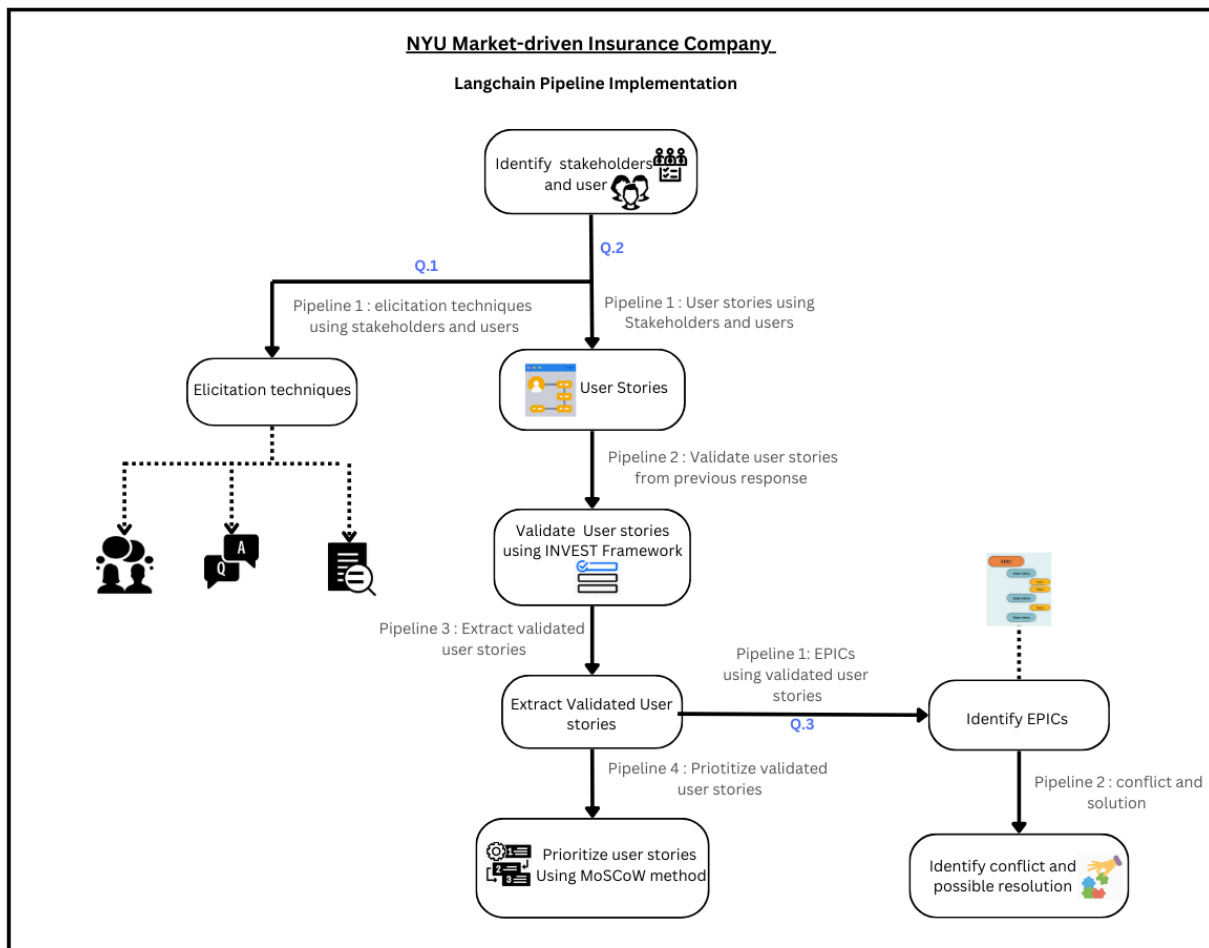

NYU Market-driven Insurance Company

Langchain Pipeline Implementation

Table: RUST Questionnaire

- Rating scale - 1 (poor) to 5 (excellent)

Readable (R)

Questions	Gemini	Mistral	LLaMA	DeepSeek	Manually Developed
How readable do you think these user stories are?	4 Well-structured but slightly too long.	3.5 Some redundancy in answers reduce readability.	3 Less structured, slightly complex.	3.5 Needs better flow to follow easily.	4
How grammatically correct are the user stories?	4 Minor grammatical errors	3.5 Few grammatical issues.	3 Some grammatical errors and inconsistency.	3.5 Inconsistency in sentence structure.	3.5
How do you rate the accuracy of the spelling in the output text?	4.5 Rare spelling errors.	4 Minor spelling issues.	3.5 Occasional spelling errors.	4 Mostly accurate spellings	4
Are the descriptions too verbal and contain redundant information?	3.5 Slightly verbose description	3 Some repetition in description	2.5 Excessively detailed, lack of focus.	3 Needs more clear and short description	4
How readable do you think these test cases are?	4 Clear but lengthy	3.5 Could be more simplified	3 Little confusing	3.5 Needs improvement in clarity	4

Understandable (U)

Questions	Gemini	Mistral	LLaMA	DeepSeek	Manually Developed
How would you rate the accuracy of the semantic meaning in the user stories?	4 Mostly accurate	3.5 Some uncertain meanings.	3 Needs improvement	3.5 Lack of clarity in some section	4
How would you rate the clarity of the language used in the user stories?	4 Mostly clear, minor improvement needed	3.5 Some technical words unclear	3 Needs simplification	3.5 Could be more straightforward	4

How comprehensible were the user stories provided to you?	3.5 Mostly detailed but no in depth	3.5 Lacks of full scenario coverage	2.5 Some details missing	3 Needs more examples	4
Did you encounter any difficulties in understanding the content of the user stories?	4 understandable	3.5 Needs some clarification	3 A bit difficult	3.5 Some ambiguities present	4
Did you feel confident in your understanding of the objectives and requirements outlined in the user stories?	4 Well presented	3.5 Some ambiguity in requirements	3 Objectives not clear	3.5 Could be more direct	4

Specificity (S)

Questions	Gemini	Mistral	LLaMA	DeepSeek	Manually Developed
Did you find the user stories contained sufficiently specific information to estimate the effort required for implementation?	3.5 Some effort estimation possible	3 Needs clear scop definition	2.5 Lacks detailed	3 Some vogue details	4
How well-specified were the acceptance criteria outlined in the user stories?	4 Covers most cases	3 Lacks of depth in edge cases	2.5 Needs more clarification	3 Some vogue criteria	4
Were there any essential details missing from the user stories that you believe would be crucial for effective	3 Some minor details missing	2.5 Lacks technical depth	2 Several crucial details missing	2.5 Some gaps in specification	4

implementation?					
How well-specified were the test scenarios outlined in the test cases?	3.5 Covers most scenarios but not complete	3 Could include more test cases	2.5 Lacks depth in test cases	3 Needs more change	4
How confident are you in breaking the stories down into multiple sub-tasks given the specifications?	3.5 Mostly clear, requires explanation	3 Needs more structure	2.5 Some ambiguity	3 Lacks clarity in sub-task definition	4

Technical Aspects (T)

Questions	Gemini	Mistral	LLaMA	DeepSeek	Manually Developed
How well do the given test cases perform the technical requirements and the corner cases?	3.5 Covers most of the technical needs	3 Lacks deeper technical coverage	2 Missing some edge cases	3 Could be more detailed	4
Do you think the design of the deliverables complies with the software engineering best practices?	3.5 Mostly align	3 Some inconsistency	2.5 Less structured	3 Needs clarification	4
The user stories interpret the user/stakeholders' statements into technical language including technical details and insights	3.5 Well translated, could be more improved	3 Lacks deeper technical insight	2.5 Could be more structured	3 Some ambiguity	4
The user stories adequately outline the technical requirements and	3.5 Mostly complete	3 Need more specification	2.5 Lacks proper constraints	3 Could be more precise	4

constraints for the given tasks.					
Were there any ambiguities or inconsistencies in the technical details provided within the user stories?	3.5 Well structured, minor inconsistency	3 Some ambiguities in constraints and requirements	2.5 Several inconsistency	3 Sometimes unclear technical description	4

Final ranking :

1. Gemini
2. Mistral
3. DeepSeek
4. LLaMA