

Ideation Phase

Define the Problem Statements

Date	31 January 2025
Team ID	
Project Name	DocuQuery: AI-Powered PDF Knowledge Assistant Using Google PALM
Maximum Marks	2 Marks

Customer Problem Statement Template:

The **Customer Problem Statement** is a critical part of the project documentation. It clearly defines the pain points your target audience faces and how your project, **DocuQuery**, aims to solve them. Here's a structured template you can use to create a compelling problem statement:

PDF documents are widely used for sharing and storing information, but users often struggle to extract, analyse, and interact with the content efficiently. Existing tools lack advanced AI-powered capabilities, making it time-consuming and challenging to find specific information, summarize content, or ask questions directly from PDFs.

I am	Describe customer with 3-4 key characteristics - <i>who are they?</i>	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" the care about - <i>what are they trying to achieve?</i>	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way - <i>what bothers them most?</i>	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists - <i>what needs to be solved?</i>	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view - <i>how does it impact them emotionally?</i>	Describe the emotions the result from experiencing the problems or barriers

Reference: <https://miro.com/templates/customer-problem-statement/>

Example:



Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
Comparing prices across multiple supplier price lists is time-consuming and error-prone.	Procurement Manager	Compare prices and extract item details from multiple price lists.	It takes hours to manually extract and compare data.	Manual processes are inefficient and prone to errors.	Frustrated and overwhelmed.
Reading and understanding lengthy research papers is time-consuming.	Researcher	Summarize research papers and get answers to specific questions.	I spend too much time reading and analyzing papers.	Research papers are dense and complex.	Stressed and unproductive.
Screening resumes to find qualified candidates is tedious and time-consuming.	Hiring Manager	Automate resume screening and match candidates to job requirements.	I have to manually review hundreds of resumes.	Manual screening is slow and inefficient.	Overwhelmed and frustrated.
Extracting key clauses from lengthy legal documents is challenging.	Lawyer/ Paralegal	Quickly analyze legal documents and answer specific queries.	Legal documents are lengthy and complex.	Manual extraction is time-consuming and error-prone.	Stressed and inefficient.
Analyzing financial reports to extract key metrics is difficult.	Financial Analyst	Summarize financial reports and answer specific queries.	Financial reports are dense and contain too much information.	Manual analysis is slow and prone to oversight.	Overwhelmed and unproductive.