

Project Initialization and Planning Phase

Date	3 July 2024
Team ID	SWTID1720074204
Project Name	prediction and analysis of liver patient data using ml
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Develop a machine learning model to predict liver disease in new patients. Given a dataset containing patient information like blood test results and demographics, the model should accurately classify whether a patient has liver disease or not. This will aid doctors in early diagnosis, allowing for timely intervention and improved patient outcomes.

I am	Describe customer with 3-5 key characteristics - who are they?	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" the user wants - what are they trying to achieve?	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way - what do they think?	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problems or barriers exist - what needs to be solved?	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view - how does it impact them emotionally?	Describe the emotions the result from experiencing the problems or barriers

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

Example:

I am	I'm trying to	But	Because	Which makes me feel
a traveler	book flights on my phone	it takes a long time	the website is not responsive and doesn't have a mobile version	Frustrated

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a patient with liver disease concerns	understand my condition and its potential progression	I find it difficult to interpret medical information and	I want to make informed decisions about my healthcare	anxious and uncertain about my future health.

			anticipate future health challenges	and lifestyle	
PS-2	healthcare provider managing patients with liver disease	Accurately predict the progression of liver disease in my patients	Current methods rely on subjective assessments and lack precision	early detection and intervention are crucial for improving patient outcomes	frustrated by the limitations of existing tools and concerned about patient well-being.