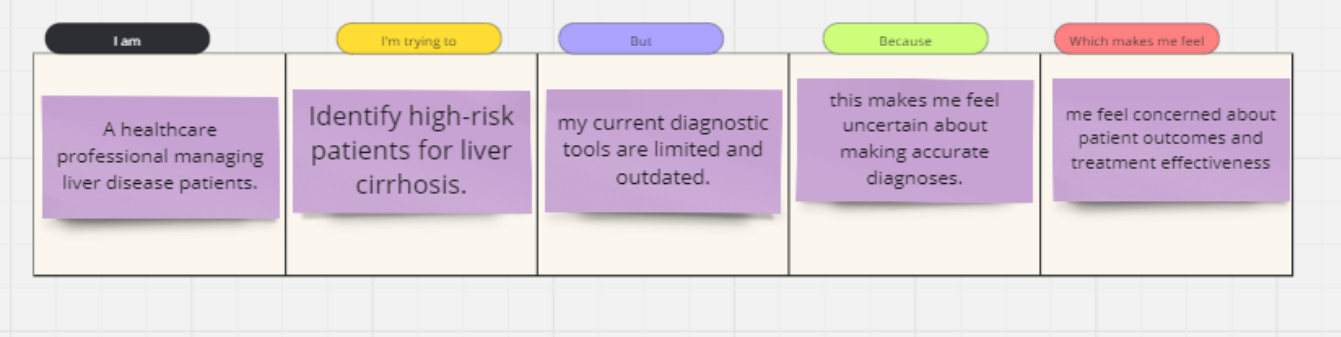
Project Initialization and Planning Phase

Date	04 June 2024
Team ID	SWTID1720110187
Project Name	Revolutionizing Liver Care
Maximum Marks	3 Marks

Define Problem Statements:

The current approach to liver disease management faces significant challenges. Healthcare providers struggle to accurately identify high-risk patients for liver cirrhosis, leading to delayed diagnosis and suboptimal treatment. Patients with a family history of liver disease feel anxious about their health and uncertain about the diagnostic process. Healthcare facilities and payers also face difficulties in efficiently allocating resources and determining appropriate coverage for liver disease patients. To address these issues, there is a pressing need to develop a predictive model using advanced machine learning techniques that can accurately forecast the onset and progression of liver cirrhosis, enabling timely intervention and improved patient outcomes.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A healthcare professional managing liver patients	Identify high-risk patients for liver cirrhosis	my current diagnostic tools are limited and outdated	this makes me feel uncertain about making accurate diagnoses	me feel concerned about patient outcomes and treatment effectiveness
PS-2	A patient with a family history of liver disease	Secure a timely diagnosis and treatment for liver cirrhosis	my current healthcare provider lacks advanced diagnostic tools	this makes me feel anxious about the diagnosis and treatment process	me feel uncertain about my health and well-being
PS-3	A healthcare payer (insurance provider) managing liver disease patients	Optimize the allocation of resources and coverage for liver cirrhosis patients	the current risk assessment methods are not accurate enough	this makes it difficult to determine appropriate coverage and treatment plans	me feel unsure about the cost-effectiveness of our liver disease management program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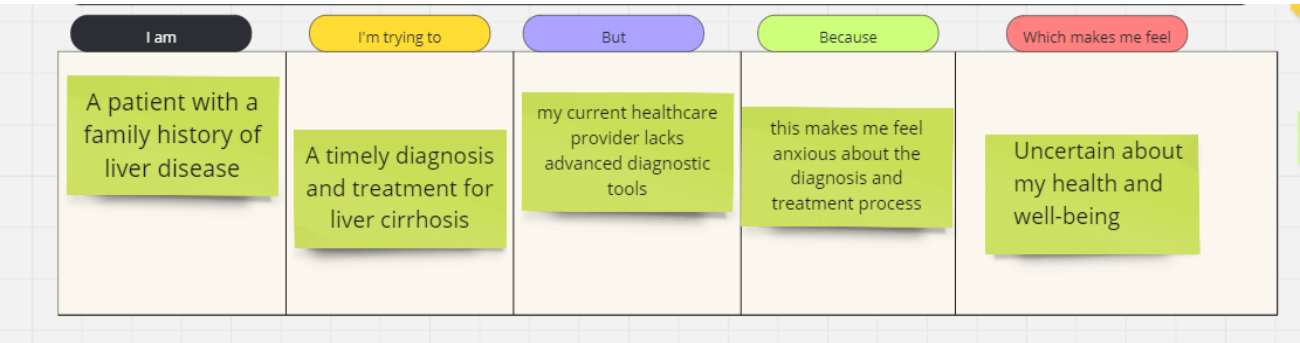
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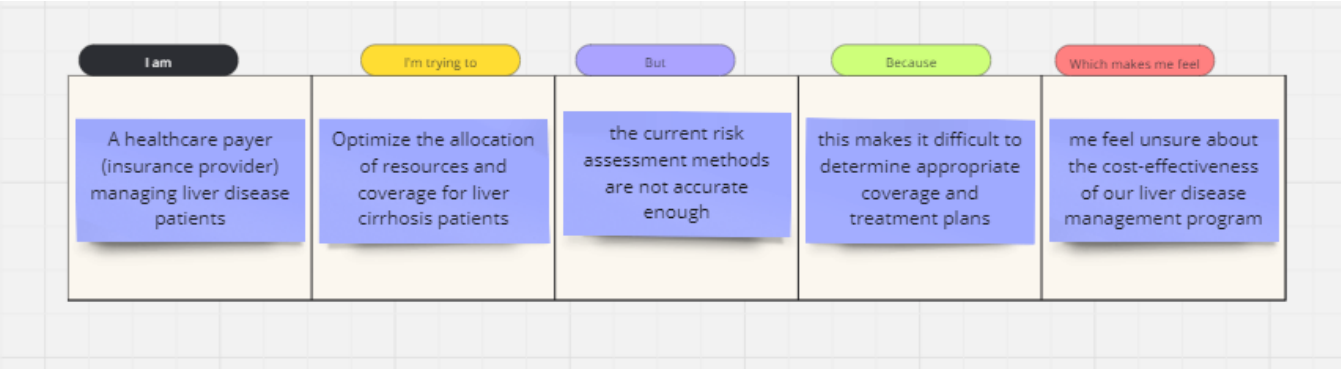
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