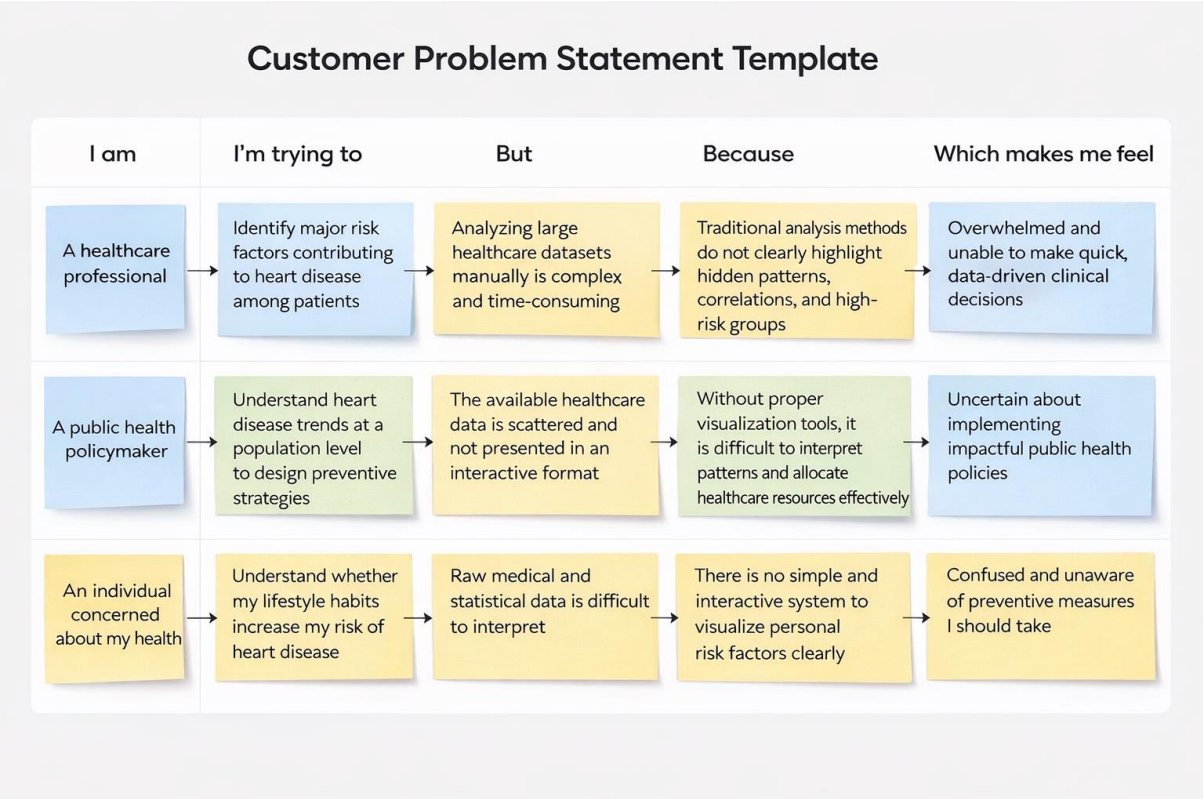
Project Initialization and Planning Phase

Date	28 January 2026
Team ID	LTVIP2026TMIDS39871
Project Name	Heart Disease Analysis
Maximum Marks	3 Marks

Problem Statement

Heart disease is one of the leading causes of death globally, with rising cases attributed to lifestyle factors such as smoking, obesity, diabetes, physical inactivity, and poor dietary habits. Despite the availability of large-scale healthcare datasets, extracting meaningful insights from this data is challenging without proper analytical tools. Traditional data analysis methods are time-consuming and may fail to effectively highlight hidden patterns and correlations. Therefore, there is a need for an interactive data visualization system that can analyze heart disease data and present key risk factors in a clear, structured, and insightful manner to support preventive healthcare decision-making.



PS	I am	I’m trying to	But	Because	Which makes me feel
PS-1	A healthcare professional	Find heart disease risk factors	Large health data is difficult to analyze	Data is not clearly visualized	Confused and slow in making decisions
PS-2	A public health policymaker	Understand heart disease trends	Data is scattered and not interactive	No proper visualization system	Unsure about planning health programs
PS-3	A health-conscious individual	Know my heart disease risk	Medical data is hard to understand	No simple tool to show risk clearly	Worried and unaware of prevention steps