Project Title: Heart Disease Analysis

Team ID:LTVIP2026TMIDS91241

Project Design Phase 1-Solution Fit Template

1. Customer Segments The primary customers are adults aged 25–60 who are concerned about their heart health. This includes working professionals, elderly people, and individuals with unhealthy lifestyles such as poor diet, lack of exercise, smoking, or family history of heart disease. Secondary users include doctors, healthcare analysts, and researchers who need data-driven insights for medical decision-making.	**2. Jobs To Be Done / Problems** Users want to understand their heart disease risk, monitor key health indicators, and take preventive actions before serious conditions occur. They need simple tools to analyze medical data, visualize trends, and get meaningful insights without requiring technical or medical expertise.	**3. Customer Constraints** Users face constraints such as lack of medical knowledge, limited time for regular health checkups, difficulty in understanding complex reports, and absence of easy-to-use analytical tools. Many users also hesitate to visit doctors frequently due to cost and accessibility issues.
4. Problem Root Cause The root cause of the problem is the complexity of medical data and the lack of user-friendly systems that translate raw health data into understandable insights. Traditional healthcare systems focus more on treatment than early detection and preventive analysis.	**5. Available Solution Behavior** Currently, users depend on hospital visits, generic medical reports, and online symptom searches. These methods are often manual, time-consuming, and do not provide personalized or predictive insights.	**6. Your Solution** The proposed solution is a data-driven Heart Disease Analysis system that uses interactive dashboards and machine learning models to predict risk levels. The system provides clear visualizations, simple KPIs, and narrative stories to help users understand their health status and take early preventive measures.