

# **Project title: Heart Disease Analysis using tableau**

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## **Project Design Phase-I - Solution Fit Template**

Problem–Solution Fit means identifying a real problem faced by users and ensuring that the proposed solution effectively addresses that problem. In the context of this project, users such as patients, healthcare professionals, and decision-makers struggle to understand heart disease risk factors due to complex, scattered, and non-visual health data. The proposed solution—interactive Tableau dashboards and story-based visualizations—directly addresses this challenge by transforming raw health data into clear, meaningful, and actionable insights. Solve complex problems in a way that fits the state of your customers.

### **Purpose**

- To solve the problem of poor understanding of heart disease risk factors by presenting data in a clear and user-friendly manner.
- To support faster and more informed healthcare decisions through interactive visual analytics.
- To increase adoption of data-driven healthcare insights by using familiar visualization tools such as Tableau.
- To improve communication of health risks and trends through storytelling dashboards that enhance awareness and trust.
- To understand the current challenges faced by users in interpreting heart disease data and improve their experience through better visualization and analysis.

## Problem-Solution Fit Canvas

### Heart Disease Analysis

<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> Patients, Healthcare Professionals, and Decision-Makers	<b>6. CUSTOMER LIMITATIONS</b> <span>CL</span> Complex, Scattered Health Data	<b>5. AVAILABLE SOLUTIONS</b> <small>PROS &amp; CONS</small> <span>AS</span> Generic spreadsheets Bi dashboards
<b>2. PROBLEMS / PAINS</b> - ITS FREQUENCY <span>PR</span> Disjointed health data Weak visual insights Scattered datasets	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span> Fragmented, static dashboards	<b>7. BEHAVIOR</b> - ITS INTENSITY <span>AS</span> Constant spreadsheet - updates digging for meaningful numbers
<b>3. TRIGGERS TO ACT</b> <span>TR</span> Filter by age, lifestyle Risk comparison charts	<b>10. YOUR SOLUTION</b> <span>SL</span> <b>Interactive Tableau dashboards with dark UI</b> for clear, user-friendly analytics of heart disease risks, using eye-comfort colors, intuitive story points, and drag-and-drop filters.	<b>8. BEHAVIOR</b> - ITS INTENSITY <span>AS</span> Web Applications (Online) Reports & Presentations (Offline)
<b>4. EMOTIONS</b> BEFORE / AFTER <span>EM</span> Confused Informed		<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> <small>ONLINE</small> • Web Applications (Online) • Reports & Presentations (Offline)
<b>4. EMOTIONS</b> BEFORE / AFTER <span>EM</span> Confused Informed		