

Project Design Phase
Problem – Solution Fit Template

Date	28 june2025
Team ID	LTVIP2025MID48289
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 Marks

Problem – Solution :

Problem Recap •

Users (buyers, sellers, analysts) lack easy-to-understand, interactive, and feature wise insights into real estate prices. • Market data is often raw, scattered, or non-visual, which makes decision-making difficult.

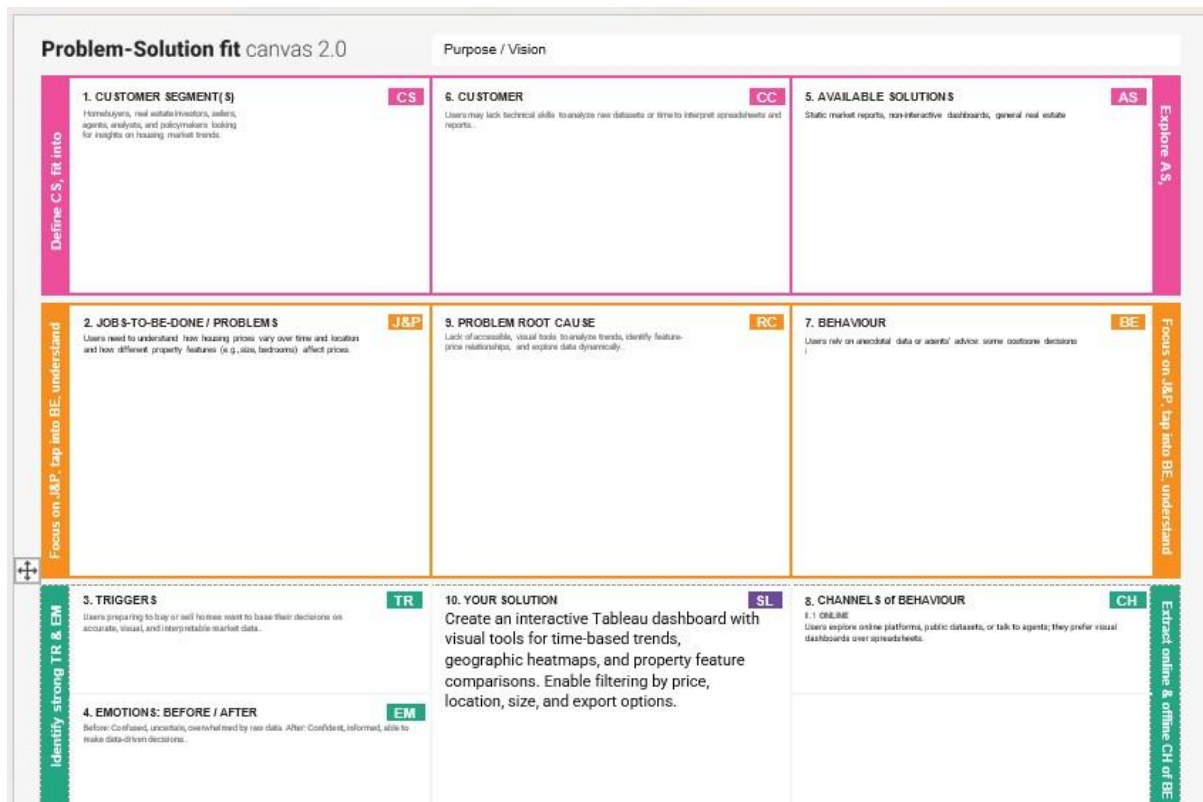
Solution Fit •

Build a Tableau-based interactive dashboard that: • Visualizes trends in housing prices. • Links features (like sqft, bedrooms) with prices. • Enables filtering by region, time, and features. • Uses maps, charts, and tooltips to simplify insights. • Ensures users don't need technical knowledge to explore meaningful insights from raw data.

2. Proposed Solution

Component	Description
Data Import	Load real estate sales dataset (CSV, Excel, or from SQL database)
Data Cleaning	Clean nulls, format dates, standardize location and property feature values
Data Enrichment	Add calculated fields (e.g., price per sqft), bucket years into ranges
Dashboard Modules	Build modular dashboards: <ul style="list-style-type: none">- Price Trends (Time Series)- Feature Impact (Scatter, Box Plot)- Regional Map View (Heat Map or Symbol Map)- Filter Panel (Location, Price Range, Features)
Interactivity	Filters, search, hover tooltips, export buttons
User Output	Web-based Tableau Public link or embedded in a portal

Template:



References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>