

Project Design Phase

Problem – Solution Fit Template

Date	19 February 2026
Team ID	LTVIP2026TMIDS25019
Project Name	Visualizing Housing Market Trends: An Analysis of Sale Prices and Features using Tableau
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem-Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

Purpose:

- ☐ Solve complex problems in a way that fits the state of your customers.
- ☐ Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior.
- ☐ Sharpen your communication and marketing strategy with the right triggers and messaging.
- ☐ Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems.
- ☐ Understand the existing situation in order to improve it for your target group.

Template:

<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Define CS, fit into CC</div> <div> 1. CUSTOMER SEGMENT(S) CS <small>Who is your customer? I.e. working parents of 0-5 y.o. kids</small> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div></div> <div> 6. CUSTOMER CONSTRAINTS CC <small>What constraints prevent your customers from taking action or limit their choices of solutions? I.e. spending power, budget, no cash, network connection, available devices.</small> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div></div> <div> 5. AVAILABLE SOLUTIONS AS <small>Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? I.e. pen and paper is an alternative to digital notetaking</small> </div> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Explore AS, differentiate</div>
<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Focus on J&P, tap into BE, understand RC</div> <div> 2. JOBS-TO-BE-DONE / PROBLEMS J&P <small>Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.</small> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div></div> <div> 9. PROBLEM ROOT CAUSE RC <small>What is the real reason that this problem exists? What is the back story behind the need to do this job? I.e. customers have to do it because of the change in regulations.</small> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div></div> <div> 7. BEHAVIOUR BE <small>What does your customer do to address the problem and get the job done? I.e. directly related: find the right solar panel installer, calculate usage and benefits; Indirectly associated: customers spend free time on volunteering work (I.e. Greenpeace)</small> </div> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Focus on J&P, tap into BE, understand RC</div>
<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">Identify strong TR & EM</div> <div> 3. TRIGGERS TR <small>What triggers customers to act? I.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.</small> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div></div> <div> 10. YOUR SOLUTION SL <small>If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality. If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.</small> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div></div> <div> 8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE <small>What kind of actions do customers take online? Extract online channels from #7</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div></div> <div> 8.2 OFFLINE <small>What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.</small> </div> </div> <div style="writing-mode: vertical-rl; font-weight: bold;">Extract online & offline CH of BE</div>
<div style="display: flex; justify-content: space-between;"> <div></div> <div> 4. EMOTIONS: BEFORE / AFTER EM <small>How do customers feel when they face a problem or a job and afterwards? I.e. lost, insecure > confident, in control - use it in your communication strategy & design.</small> </div> </div>		

References:

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

Problem-Solution fit canvas 2.0

Purpose / Vision: To make housing market trends easy to understand through clear and interactive Tableau Dashboard

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Home buyers, realstate investors, agents and Policy makers looking to understand market trends.	6. CUSTOMER CONSTRAINTS CC Budget limitations, lack of data understanding, time constraints, and limited access to reliable sources.	5. AVAILABLE SOLUTIONS AS Static reports, government datasets, Excel dashboards, traditional real estate websites. These are lack of interactivity, detailed filtering or predictive insights.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P Customers want to understand house prices and features easily. They find it hard to work with raw data and need clear visual insights.	9. PROBLEM ROOT CAUSE RC Fragmented data sources, poor visualization tools and complex raw datasets make insights hard to derive.	7. BEHAVIOUR BE Customers on agent advice, browse listing manually.	
Identify strong TR & EM	3. TRIGGERS TR Customers act when they see rising house prices, get renovation ideas, or are asked to analyze data for a project or investment. Visual examples or news about market trends also motivate them to explore housing data.	10. YOUR SOLUTION SL An interactive Tableau dashboard that visually shows housing trends like sale prices, renovation effects, and house features. It's easy to use, fits user needs, and removes the confusion of raw data.	8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE What kind of actions do customers take online? Extract online channels from #7 Customers browse real estate sites like Zillow or 99acres, search for housing data, watch YouTube tutorials, and use Excel or Tableau to explore trends.	Extract online & offline CH of BE
	4. EMOTIONS: BEFORE / AFTER EM Before: Confused, unsure, overwhelmed by raw data. After: Clear, confident, and in control with visual insights.		8.2 OFFLINE What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development. Customers visit property sites, talk to real estate agents, attend housing expos, and discuss trends with friends or family before making decisions.	