

Project Design Phase

Problem – Solution Fit Template

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| Date | 15 February 2025 |
| Team ID | PNT2025TMID00093 |
| Project Name | Power BI Inflation Analysis: Journeying Through Global Economic Terrain |
| Maximum Marks | 2 Marks |

Problem – Solution Fit Template:

Problem-Solution fit canvas 2.0

Purpose / Vision

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| <div>Define CS, fit into CC</div> <div><div>1. CUSTOMER SEGMENT(S) Organizations: Governments, financial institutions, global economic organizations, and policymakers. Professionals: Economists, financial analysts, academic researchers, and data scientists interested in global economic trends.</div><div>CS</div></div> | <div><div>6. CUSTOMER CONSTRAINTS Inconsistent data from different countries or sources makes cross-comparisons difficult. High complexity of large datasets spanning decades, making it challenging to analyze inflation trends in context with other economic factors. Lack of real-time, interactive data visualization tools that allow policymakers to explore and experiment with scenarios.</div><div>CC</div></div> <div><div>5. AVAILABLE SOLUTIONS Traditional approaches such as financial reports, manual analysis of inflation trends, and academic papers. Challenges: These methods are often time-consuming, involve scattered data, and are difficult to scale for global economic comparisons.</div><div>AS</div></div> <div>Explore AS, differentiate</div> |
| <div>Focus on J&P, tap into BE, understand RC</div> <div><div>2. JOBS-TO-BE-DONE / PROBLEMS Analyze and visualize global inflation trends from historical data spanning multiple decades. Provide decision-makers with actionable insights into the causes and impacts of inflation on different countries and economies. Use inflation trends to forecast future economic conditions and inform policy decisions.</div><div>J&P</div></div> <div><div>9. PROBLEM ROOT CAUSE Lack of a unified tool for real-time, global inflation data visualization that can handle both historical data and present-day scenarios. Inconsistent data formats and incomplete sources hinder comparative analysis of inflation trends over time.</div><div>RC</div></div> <div><div>7. BEHAVIOUR Economists and analysts rely on spreadsheets or specialized economic software for data manipulation and trend analysis. Governments and institutions use static reports, leading to limited interactivity and difficulty in tracking inflation across various countries and timeframes.</div><div>BE</div></div> <div>Focus on J&P, tap into BE, understand RC</div> | |
| <div>Identify strong TR & EM</div> <div><div>3. TRIGGERS The need for better tools to monitor inflation and its impact on the global economy. Policy shifts or crises in specific regions that highlight inflationary pressures (e.g., food prices, housing market shifts). Rising concerns from financial analysts, governments, and organizations about inflation control measures and economic stability.</div><div>TR</div></div> <div><div>4. EMOTIONS: BEFORE / AFTER Before: Overwhelmed by the complex nature of global inflation data, unable to derive meaningful insights due to fragmented sources. After: Empowered and confident, armed with actionable insights from the analysis, ready to take data-driven decisions on economic policies and inflation control measures.</div><div>EM</div></div> <div><div>10. YOUR SOLUTION A comprehensive Power BI solution that gathers inflation data from global sources such as IMF, World Bank, and national statistics offices. The platform enables interactive exploration of inflation data, with custom dashboards to visualize trends, analyze the impact of inflation on key economic indicators (GDP, employment, prices), and compare countries and regions over specific timeframes. Custom reports, alarms, and predictive models offer users the ability to monitor inflationary trends and take preventive measures. The tool provides both historical data analysis (covering decades) and real-time updates, empowering decision-makers with deep insights into global inflation dynamics.</div><div>SL</div></div> <div><div>8. CHANNELS of BEHAVIOUR Online: Economic research reports, global databases like IMF, World Bank, and other financial research portals. Offline: Research conferences, policy discussions, seminars on global economic trends. 8.2 OFFLINE Difficulty accessing comprehensive data and reliable insights on global inflation trends. Limited resources for visualizing complex data across different time periods and countries.</div><div>CH</div></div> <div>Extract online & offline CH of BE</div> | |

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