Project Design Phase
Problem – Solution Fit Template

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Team ID	SWTID1741149767
Project Name	Crypto currency
Maximum Marks	2 Marks
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Problem – Solution Fit Overview:

The Problem-Solution Fit ensures that the identified problem aligns with the needs of users and that the proposed solution effectively addresses it. This concept helps developers, marketers, and business strategists validate the necessity and effectiveness of their solution before further development.

Purpose:

Address the lack of a structured and real-time cryptocurrency tracking platform for users who seek updated market data, trends, and insights.

Provide an intuitive and engaging experience for users to monitor cryptocurrency prices, market capitalization, and historical data without manual research.

Offer seamless navigation and real-time data retrieval from a trusted cryptocurrency API to enhance user experience.

Improve accessibility and engagement through an interactive UI, responsive design, and well-structured data flow.

Problem Statement:

Many cryptocurrency investors and enthusiasts struggle to find accurate, real-time, and well-organized market data. Existing platforms either require paid memberships, have cluttered interfaces, or provide outdated information, leading to poor decision-making in trading and investments.

Solution:

A React.js-based Cryptocurrency Tracking Web Application that provides users with an easy-to-navigate interface to explore market trends, price changes, and coin details.

Integration with a cryptocurrency API ensures users get up-to-date and detailed information on various digital assets.

Axios-powered API requests ensure smooth data retrieval with minimal delays.

Categorization, filtering, and search functionalities improve accessibility and user engagement.

A scalable and responsive UI design ensures seamless experience across different devices, catering to both beginner and experienced traders.