

Naalaiya Thiran – week 6 Report

Personal Expense Tracker Application

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Activities

- Prepare problem - solution fit document
- Solution Architecture

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.

Completion Status: Submitted the Problem-Solution fit Template GitHub

The screenshot shows a web browser window with multiple tabs. The active tab displays a document titled 'Project Title: Personal Expense Tracker Application' and 'Team ID: PNT2022MD15611'. The document is a 'Project Design Phase-I - Solution Fit Template' and is structured as follows:

- 1. CUSTOMER SEGMENTS:**
 - Customers are those who spend money without keeping track of it.
 - Those who spend money lazily.
 - Provides a whole lot of different categories of expenses (Spent) to avoid mismatch of expenses.
- 2. JOBS TO BE DONE / PROBLEMS:**
 - Expense tracking is essential in successful financial management. By knowing where our money goes, we can effectively sort out our financial priorities based on our budget. This will help us live our financial goals and achieve the lifestyle we want.
 - The objective of this application is to enable customers to keep track of their expenses.
 - They also get an option to view the expenses as a graphical representation given the period of 1 year, 6 months, etc.
- 3. TARGETS:**
 - Understanding the fact that the customers consume a lot of money by their expense apps.
 - Customers can keep track of their expenses.
- 4. EMOTIONS: BEFORE / AFTER:**
 - They feel a lot clear about the income and expenses needs.
- 5. CUSTOMER CONSTRAINTS:**
 - Most of the solution available in the internet has a lot of ads limiting its usability.
 - The solution proposed here has a feature to view the expense graphically.
 - Also it has email alert feature which sends email if the expense exceeds the given limit.
- 6. PROBLEM ROOT CAUSE:**
 - Inability to live a life with scheduled financial expenses, thereby falling into debt trap.
 - By spending lazily and not tracking expenses, it's easy to go overboard, beyond income.
 - Frustrated of trying to live a economically balanced life.
- 7. YOUR SOLUTION:**
 - Design a task based personal expense tracker application.
 - Email Alert feature which sends expense alerts using email framework.
 - An option to view expenses in a graphical format.
- 8. AVAILABLE SOLUTIONS:**
 - Expense trackers are available in the customer's phone like the Google Play Store, etc.
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- 9. BEHAVIOUR:**
 - User can save all their expenses.
 - Set up a monthly limit on the expense done.
 - Send an email alert if the expense exceeds the limit.
 - Keep track of their expenses and view expenses in a graphical format for detailed analysis.
- 10. CHANNELS OF BEHAVIOUR:**
 - Expense trackers online come with a lot of ads which on clicking steals data like account number if provided.
 - Make sure they are aware of the tax rules by reading the available books to make them tax ready.

Solution Architecture

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Completion Status: Submitted the Solution Architecture in GitHub

