

V.S.B.ENGINEERING COLLEGE, KARUR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IBM NALAIYA THIRAN

PROBLEM-SOLUTION FIT

TITLE : PERSONAL EXPENSE TRACKER APPLICATION

DOMAIN NAME : CLOUD APPLICATION DEVELOPMENT

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Problem-Solution fit canvas 2.0		Purpose / Vision	
Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Who is your customer? The bulk of clients are adults above 16 who earn and spend money.	6. CUSTOMER CONSTRAINTS CC What constraints prevent your customers from taking action or limit their choices of solution? An expense tracker is a software program or an application that helps you keep accurate records of your money coming in and going out. It is also commonly referred to as an expense manager or money manager. Many people in India have fixed incomes and acknowledge that they spend money toward the end each month.	5. AVAILABLE SOLUTIONS AS 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? For user convenience, this project is being developed on android applications. Because they include an android application anytime they create immediate expenses. This makes using this data contrary. We think that a practical design and a practical android application can solve these problems. Such an application is capable of keeping track of expenditures, providing a comprehensive view with user-friendly interface, and being enough intelligence to display the history of expenditures indicated in the application.
	2. JOBS-TO-BE-DONE / PROBLEMS J&P Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides. Due to manual error in the expenses calculation process and lack of expense history maintenance. Therefore, this application was developed with history and automatic day, week, month, and year calculations.	9. PROBLEM ROOT CAUSE RC What is the real reason that this problem exists? What is the back story behind the need to do this job? You may rapidly pay for the invoices by using an expense tracker app that supports financial transactions using debit cards, card payments, credit cards, and net banking. Additionally, a spending tracking software will send payment reminders and link payments to client accounts.	7. BEHAVIOUR BE What does your customer do to address the problem and get the job done? Customers get unlimited access to their calculations. This approach makes it very simple and really beneficial to estimate their expenditure and needs.
Identify strong TR & EM	3. TRIGGERS TR What triggers customers to act? By viewing YouTube promotions and advertising while engaging in online activities like gaming and searching the web, as well as getting recommendation from their friends and neighbors.	10. YOUR SOLUTION SL For the user development this android application is developed, because they can use mobiles for anytime when they needed immediate expense calculation. As this shows that it is various methods used by different people. This makes using this data contrary. There is still complication in areas like there is no assurance for data compatible, there are chances of crucial inputs can be missed and the manual errors may sneak in. Such an application is capable of keeping track of expenditures, providing a comprehensive view with user-friendly interface, and being enough intelligence to display the history of expenditures indicated in the application	8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE What kind of actions do customers take online? Yes, Mint's parent company, Intuit, uses cutting-edge security and technology to protect the personal and financial data of its users. Multi-factor authentication as well as software and hardware encryption are security measures 8.2 OFFLINE What kind of actions do customers take offline? The most convenient and cost-free Personal Finance tool is Expense Tracker. Data can be exported as a CSV file and it can be used offline.
	4. EMOTIONS: BEFORE / AFTER EM How do customers feel when they face a problem or a job and after? Before: User thought that they couldn't consistently keep their budgets, missing their prior expense data and made some manual calculation error. After: After using this application, users reported that they could detect and get rid of wasteful spending patterns in their financial lives. In addition, they felt that regularly tracking expenses would help them keep track of their money and encourage healthier financial practices like saving and investing.		

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