

MINI PROJECT

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SYNOPSIS

ON

ExpendiTracker

(Android Application)

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INTRODUCTION

This is a mini Project work undertaken in context of partial fulfilment of the B.Tech. I have tried my best to make my project . I have tried to design the application in such a way that user may not have any difficulty in using this package & further expansion is possible without much effort.

Who doesn't have a goal for the new year that involves money? Many of us have goals that involve making more money or managing the money we already have — but, no matter exactly what goal you might have for your money, you'll probably need some baseline information about it. While understanding your expenses is basic, they make up some of the most important information you can gather about where your money goes. Tracking expenses can be a relatively simple matter and can provide you so much information about your spending habits.

Whether you're working on creating a budget or you are trying to simplify the bookkeeping for a small business, tracking your expenses should be a first step. If most of your spending is done electronically (using a debit card or a credit card), you may be able to get away with just tracking your cash spending. Most money management software can automatically import those electronic expenses, further simplifying matters. You can also choose to use your own system, from the ground up, including setting up a spreadsheet and entering information by hand.

- Create unlimited numbers of payment entries.
- It easily manages payee and category-related revenue and expense transactions.
- It easily manages your daily expenses.
- Manage trip/party expenses with members.
- Visually, view total revenue , total balance and total spend for each year, month, day and all dates.
- Customize the payee and expense category.
- This application is used for free.

EXISTING SYSTEM

In existing, we need to maintain the Excel sheets, CSV etc. files for the user daily and monthly expenses. In existing, there is no as such complete solution to keep a track of its daily expenditure easily. To do so a person as to keep a log in a diary or in a computer, also all the calculations needs to be done by the user which may sometimes results in errors leading to losses.

Limitations:

- Data under one roof
- Hard to put it into practice
- Time consuming
- A Tiring Task.
- Will provide inaccurate results if the data is fed incorrectly.

FEASIBILITY OF PROJECT

A feasibility study is a high-level capsule version of the entire System analysis and Design Process. The study begins by classifying the problem definition. Feasibility is to determine if it's worth doing. Once an acceptance problem definition has been generated, the analyst develops a logical model of the system. A search for alternatives is analyzed carefully.

There are 3 parts in feasibility study.

1 OPERATIONAL FEASIBILITY

Operational feasibility is the measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development. The operational feasibility assessment focuses on the degree to which the proposed development projects fits in with the existing business environment and objectives with regard to development schedule, delivery date, corporate culture and existing business processes. To ensure success, desired operational outcomes must be imparted during design and development. These include such design-dependent parameters as reliability, maintainability, supportability, usability, producibility, disposability, sustainability, affordability and others.

2 TECHNICAL FEASIBILITY

This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using that technology. The assessment is based on outline design of system requirements in terms of input, processes, output, fields, programs and procedures. This can be qualified in terms of volume of data, trends, frequency of updating in order to give an introduction to the technical system.

3 ECONOMICAL FEASIBILITY

Establishing the cost-effectiveness of the proposed system i.e. if the benefits do not outweigh the costs then it is not worth going ahead. In the fast paced world today there is a great need of online social networking facilities. Thus the benefits of this project in the current scenario make it economically feasible. The purpose of the economic feasibility assessment is to determine the positive economic benefits to the organization that the proposed system will provide. It includes quantification and identification of all the benefits expected. This assessment typically involves a cost/benefits analysis.

Future Scope Of The Project

Provision to add different currencies will be added so that this application is not just limited to a specific country but also can be used worldwide and the currency converters will be designed and added in order to convert the different currency rates. In order to make it more user friendly and less user intensive, when the user tries to add the same category or vendor to an expense/income record, a duplicate alert will be presented showing the same category/vendor which the user entered previously for some expense/income and then he can tap on it and the entries will be automatically filled for the current record. For example: the user spends RS1000 at Starbucks (vendor) on drinks (category) on a particular date and the next day he spends some money at the same place on the same category, then when he tries to write that on the expense details view, a duplicate pop up will be presented showing Starbucks as the vendor and drinks as the category. The user taps it and it automatically fills up the detail view making the application less user intensive. A new tab named "Search" will be implemented so that if the user searches for any vendor, category or subcategory by name, he can see the expenses made on that particular search in a table view list with the total number of transactions made and the total expense amount for that search. This would provide a lot more flexibility for the users to track the particular expenses on particular items.

FUNCTIONAL SPECIFICATIONS

Add income/add expense

This module deals with adding income and expenses. The user has both options available for adding income and expense. But there is a condition if the user hasn't entered the amount yet then the user can't enter expenses. When the user enters any transaction then that transaction will be added in both Spending and Transaction tabs. If the user wants to delete that transaction then the user has to long click the transaction available in the spending tab then that transaction will be deleted from both tabs.

Software Specification:-

- Technology Implemented: Android Studio
- Language Used: Java
- Database: FireBase
- Web Brower: Google Chrome

Hardware Requirements:-

- Processor: Intel i3
- Operating System: Windows 7/8/10/11
- RAM: PC with 2 GB RAM.
- Hardware Devices: Computer System
- Hard Disk: PC with 250 GB or more Hard disk.

Git Link:- <https://github.com/Tushargarg04/ExpendiTrackerer>