

Personal Expense Tracker Application

Literature Survey:

1.Introduction

The Personal Expense Tracker is a multi purpose financial android application and it intended to run on android devices. This is the best suggestion for financial planning. The application size is less than 10MB. In this application we are also going to collect an user data with authentication permission and study their daily expenses in certain category or by distinct kinds of spending that can be used for studying market trends. These analysis patterns can be derived using some data mining techniques such as clustering, classification and association. In this world now everything is digitalized with large number of money they are feel difficult to keep tracking. The main of this paper is to manage group and personal expenses nowadays not many application are not providing both and not providing many features with in a single application .We can develop an website application(supports for android devices too) that keeps record of user personal expenses his/her personal contribution towards group expenses, view stock market , read authenticated news and grab the best ongoing offers in the market in popular categories.

2.Features of Application

- Keep track of all your daily transactions.
- Keep track of your money lent or borrowed.
- To view stock market.
- To read latest authenticated financial news.

3.Methodology

This section of paper we discuss how the paper is going to be developed and deployed, we are going to discuss the tools and technologies required in successful completion of this paper. Below are the list of all programming languages, tools and technologies used in this paper

- Android studio
- Kotlin and Java
- SQLite
- Android OS
- Figma Designing tool

3.1 Expense Tracker

This is the first phase after installing the application. We need to give SMS read permission to the app since the whole idea of the app revolves around the transactions made online for which you get a message after any transaction done.

3.2 Splitbill

This feature is used to split bills among friends and groups i.e. any record of money lent or borrowed is stored here. The user needs to tap on add menu and then the user needs to enter the name and amount. The user needs to add +Rs. if money is lent and -Rs. if money is borrowed. Each transaction is stored in the database. All the previous records can also be viewed from here.

3.3 Stock Market

The user can visit the official trading place and make transactions. Payment can be done with the UPI feature present within the app.

3.4 Finance New

This feature provides the user with authenticated finance news. The news is fetched from various financial news websites using the help of a trusted API.

3.5 UPI Payment

This feature is used for payment purposes. The UPI payment is designed and developed by the government of India. Integrated into the app this app feature is a gateway for mobile wallets like Google pay, Phonepe, Paytm, amazon pay and others. The user needs to be a registered UPI user with UPI PIN set in any of the mobile wallets.

4.Result

This website application is very useful for tracking our daily expenses. This application is very user friendly. The best one of the features are stock market and investment consultant. They can invest money by UPI and they provided and tap on ADD UPI. This feature is used for payment purposes. The UPI payment is designed and developed by the government of India. Integrated into the app this app is a gateway for mobile wallets like Google Pay, Phonepe, Paytm, Amazon Pay and others. The user needs to be a registered UPI user with UPI PIN set in any of the mobile wallets.