EXPENSE TRACKER

PROJECT SYNOPSIS

OF MINOR PROJECT

BACHELOR OF TECHNOLOGY
(Information Technology)

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CHAPTER 1

PROJECT SYNOPSIS

1.1 Introduction

With the launch and increase in sales of smartphones over the last few years, people are using mobile applications to get their work done, which makes their lives easier. Mobile applications comprise various different categories such as Entertainment, Sports, Lifestyle, Education, Games, Food and Drink, Health and Fitness, Finance, etc. This Expense Tracker application falls in the Finance Category and serves the important purpose of managing finances which is a very important part of one's life. The application will not be much user intensive but just comprises of having them enter the expense amount, date, category, merchant and other optional attributes . With this entered information, the user will be able to see the expense details daily, weekly, monthly, and yearly in figures, graphs, PDF format,. . The aim of this synopsis is to provide a solution for Android users on how to manage finances in any circumstance by keeping track of their expenses everyday. Ultimately, this contributes to societal well-being.

1.2 Problem Formulation

A smartphone is built on a mobile operating system with advanced technology and computing capabilities. It all started with Symbian in 2000, which was the first modern mobile OS on a smartphone followed by Blackberry in 2002, Apple iPhone in 2007, Android 2 in 2008 etc. Global smartphone sales increased 47.3 % to 149 million units in the fourth quarter of 2011, according to market research firm Gartner [1]. According to the smartphone recent sales stats globally, IDC says that over 153 million smartphones sold worldwide in Q2 2016. Figure 1.1. Share of worldwide 2012 Q2 smartphone sales by OS, according to IDC. Source. With the launch of the new Google Pixel recently whose sales hit 1 million units in first weekend [3] clearly indicates that many people are using it now and thus arises a need for an application that serves to manage their lifestyle by managing their finances accordingly. The sole reason behind the need for this application is that when you start finding out where you are spending your money, it becomes easy to figure out how you can save money by cutting back or even eliminating spending in some areas. You can concentrate on saving even a little bit on your biggest expense categories, compared to 3 cutting back a lot on smaller expenses. As this tracking expense becomes a habit, you can get a good picture of how much money you need to maintain your lifestyle

1.3 Objectives

The main objective behind this Project is to implement the various concepts of Android programming together within an application that becomes helpful for the intended users in some way.So, I will try developing an Android based money management system having user friendly interface.

1.4 Feasibility Analysis

Feasibility analysis aims to uncover the strengths and weaknesses of a project. In its simplest term, the two criteria to judge feasibility are cost required and value to be attained. As such, a welldesigned feasibility analysis should provide a historical background of the project, description of the project or service, details of the operations and management and legal requirements. Generally, feasibility analysis precedes technical development and project implementation. There is some feasibility factors by which we can determine that project is feasible or not:

- **Technical feasibility**: Technological feasibility is carried out to determine whether the project has the capability, in terms of software, hardware, personnel to handle and fulfill the user requirements. The assessment is based on Android operating system. Expense Tracker is technically feasible as it is built up in Open Source Environment and thus it can be run on any Open Source plateform.

- **Economic feasibility**: Economic analysis is the most frequently used method to determine the cost/benefit factor for evaluating the effectiveness of a new system. In this analysis we determine whether the benefit is gained according to the cost invested to develop the project or not. If benefits outweigh costs, only then the decision is made to design and implement the system. It is important to identify cost and benefit factors, which can be categorized as follows:

  1. Development costs.

  2. Operating costs.

  Expense Tracker is also Economically feasible with 0 Development and Operating Charges as it is developed using open source technologies and the software is operated on Open Source platform.

- **Legal feasibility**: In this type of feasibility study, we basically determine whether the project conflicts with legal requirements, e.g. a data processing system must comply with the local Data Protection Acts. But the software has been developed with properly Licensed technologies. Thus is the legal process.

- **Operational feasibility**: Operational feasibility is a measure of how well a project 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. All the operations performed in the system are very quick and satisfy all the requirements.

- **Behaviour Feasibility**: In this feasibility, we check about the behavior of the proposed system software i.e. whether the proposed project is user friendly or not, whether users can use the project without any training because of the user friendliness or not. Expense Tracker is very user friendly as its users interact with it through web.
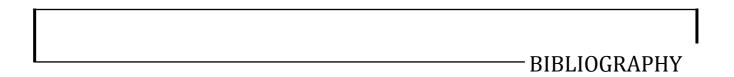
1.5　　Methodology/Planning of work

- Studying the current existing system and its problems.

- Proposing solutions for various problems in the existing system.

- Implementing the solutions and keeping in mind the benefits of the expense tracking system.

1.6　　Facilities required for proposed work

1.6.1 Hardware and Software Requirements

- ANDROID Operating System in his phone or tablet.

- The minimum version of Androids Operating System must be ICECREAM SANDWICH.

- A user needs Monitary app installed in device .

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