

# **Computing Group Project**

## **Group Proposal Documentation**

### Expenses Tracking Application

Group B - 57

#### Group Members

Rajakaruna Gunawardhana – 10899273

Kavindu Kamalhewa – 10899292

Deshitha Bandara - 10899245

Gajasinghe Gajasinghe - 10898764

Submission Date

10/23/2023

## Content

I.	Introduction .....	02.
II.	Objectives .....	03.
III.	Target Users .....	04.
IV.	Application Features and Description .....	05.
V.	Tools and Propose Technologies .....	06.
VI.	Time Frame .....	07.
VII.	Member Positions .....	08.

## Introduction

The advent and proliferation of smartphones in recent years have revolutionized the way we live and work. Mobile applications, which come in a diverse range of categories, have become an integral part of our daily lives, simplifying tasks, and supplying entertainment at our fingertips. Mobile applications have made our lives easier by supplying solutions for a wide range of tasks. They have not only changed the way we work but also significantly improved the efficiency and quality of our lives. Mobile applications include different categories, for instance, Education, Finance, Games, Foods and Beverages, Fitness and Health, and many more.

An Expense Tracking Application is an extensive tool designed to help individuals and businesses manage their finances effectively. This application offers a reliable and user-friendly platform for tracking income and expenses, developed using innovative technologies such as Node.js, MongoDB, Visual Studio Code, and Postman API.

The target users of this application are individual users who want to manage their finances, small business owners who need to keep track of business expenses and income, financial planners and advisors who require a tool to manage their clients' finances, corporations and enterprises that need to manage large-scale financial data, nonprofit organizations that need to track donations and expenditures, and financial enthusiasts who enjoy managing and analyzing financial data.

The application supplies several key features, including User Authentication, Expense Tracking, Income Tracking, Reports and Analytics, and Real-time Updates. The target audience of this application includes individual users who want to manage their finances, small business owners who need to keep track of business expenses and income, financial planners and advisors who require a tool to manage their clients' finances, corporations and enterprises that need to manage large-scale financial data, nonprofit organizations that need to track donations and expenditures, and financial enthusiasts who enjoy managing and analyzing financial data.

## Objectives

- Users can get a good insight into their spending patterns by tracking their costs. This understanding is the first step toward making sound financial decisions.
- Budgets can be made and managed by users to ensure that they do not overspend on any category or individual goods. The application helps users in staying under their financial limits.
- Users can categorize their spending using the app, which can give insight into where their money is going. Groceries, utilities, rent/mortgage, transportation, entertainment, and other expenses are common.
- These programs help you save time by simplifying expense entry and computation, which reduces the need for manual record-keeping.
- Users can access their financial information from any location.

## Target Users

- Individual Users
- Small Business Owners
- Financial Planners and Advisors
- Corporations and Enterprises
- Nonprofit Organizations
- Financial Enthusiasts

## Application Features and Description

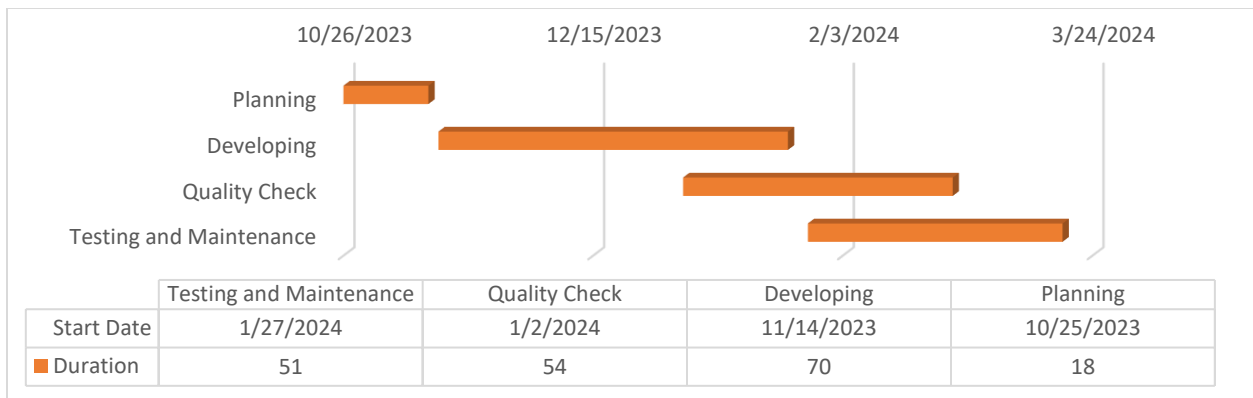
- Admin Login – The system administrator can access the system by using their admin name and password to log in.
- User Login – The system user can access the system by using their username and password to log in.
- Admin Profile – The admin has their profile and may update his information using it.
- User Profile – Every single user has a profile and may update his information using it.
- Track the User Performance - The user may monitor his financial performance throughout the app.
- Transactions - Every transaction made by the user is recorded.
- Expenses - Every expense incurred by the user is recorded.
- Income - Users can contribute the money they make.
- Add New Incomes - The user can authorize the creation of new incomes.
- Add New Expenses - The user can authorize the creation of new expenses.
- Final Report – The pie chart is provided in the user's transaction final report.

## Tools and Propose Technologies

- VS Code
- MongoDB
- Node.js
- Postman API

## Time Frame

Task	Start Date	End Date	Duration
Planning	10/25/2023	11/12/2023	18
Developing	11/14/2023	1/23/2024	70
Quality Check	1/2/2024	2/25/2024	54
Testing and Maintenance	1/27/2024	3/18/2024	51





## Member Positions

Name	Position	Index
Gajasinghe Gajasinghe	Group Leader and Project Leader	10898764
Deshitha Bandara	Planning Leader and Testing Leader	10899245
Rajakaruna Gunawardhana	Programing Leader	10899273
Kavindu Kamalhewa	Technical Leader and Quality Leader	10899292