

Sultan Qaboos University

College of Science

Department of Computer Science

Introduction to Web Computing

COMP3700 - Spring 2025 -Project

Personal budget management and saving goals

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# PROJECT OVERVIEW AND OBJECTIVES:

## Overview and the needs of the website

Personal budget management and saving goals are important things that are related to money in the current era. Hence, most of the people on earth face the issue of how to spend their money on their basic needs and save some for times of hardship. For that, this project will focus on converting our idea of “Personal budget management and saving goals” into a website that allows users to log their daily, weekly, and monthly expenses easily. Also, users can input their income and set up saving goals and each month will generate visual reports showing where money is being spent the most and offer advice on how to save more in certain areas.

## The main objectives of the website

* 1. The website will study the social and economic status of the users and their families and based on that, will provide advice and a financial plan.
  2. This website will obtain all data related to daily, weekly, monthly, and annual expenses and it will classify them from most important to least important. Also,

It focusses on ranking spending money according to the priority of needs.

* 1. The website will set a daily, weekly, monthly or yearly saving plan according to the user’s income, so that the amount entered is spent to prepare for future financial needs and in emergencies cases.
  2. This website helps people to learn how to manage their money and eliminate extravagance.
  3. The user will gain insights through visual reports that highlight spending patterns and raise awareness of where their money was spent.
  4. The website will also offer personalized advice to help users optimize their spending habits, save more effectively, and work towards their financial goals, empowering them to make informed financial decisions

# TARGET AUDIENCE AND STAKEHOLDERS:

## The different user groups that interact with the website

This website covers many community categories such as:

1-Young Professionals and adults (ages 18-35):

Individuals who are in the early stages of their careers may have student loans or are beginning to handle their personal finances independently. They may be looking for ways to track and save money effectively as they establish their financial independence.

2-Families and Parents:

Families with children, single parents, or households managing multiple incomes and expenses. They need to carefully track daily and monthly expenditures and save for future goals (e.g., college funds, vacations, etc.).

3-College Student:

Students living on tight budgets need assistance managing their finances as they juggle tuition, living costs, and other expenses.

4-Retirees or Pre-Retirees (Ages 50+):

Individuals nearing retirement or already retired, looking to manage fixed income sources, track savings, and plan for long-term financial stability.

## The stakeholders and their needs.

After conducting an interview with some categories of stakeholders to gather project requirements and specifications. We ask them about their reasons for needing this website , and we reach to the following result:

1-Financial Advisors and Consultants:

Professionals who may use the website as a tool to monitor and analyze their clients' finances, offering advice on how to optimize savings and manage spending. In addition, this category uses the website to access detailed reports for clients, data analysis features, and the ability to customize financial advice based on user data.

2-Educational Institutions (Teachers/Students in Finance or Personal Finance Courses):

Schools or colleges that might use the website as an educational tool for students to learn about personal finance management. And they need this website for customizable reports for educational purposes, tools for teaching budgeting and saving strategies, and a resource for students to practice real-world budgeting scenarios.

3-Product Developers and Designers:

Teams responsible for creating and maintaining the website. They need user feedback to enhance the platform and make it user-friendly. This website is useful for user behavior data, feedback on usability, and insights on what features work best for different user groups.

4-Investors or Sponsors:

Entities that fund or support the website and may be interested in its growth and sustainability. They need data on user engagement and the platform's impact on financial literacy. They need the website for analytics on user growth, retention, and how effectively the website is helping users save money and manage finances.

5-Advertisers or Third-party Service Providers:

Companies or services that might want to offer financial products, such as credit cards, loans, or investment services, to users. They need the website for targeted advertising space, data on users' financial habits, and the ability to provide tailored offers to different segments.

# SIMILAR WEBSITES:

## Identify some existing websites that are similar to our proposed website.

* + Features and structure.
  + A comparison between our proposed website’s approach and the existing website

# WEBSITE FEATURES AND FUNCTIONALITIES:

## key features and functionalities of the website.

## Benefits of each feature to achieving the website’s objectives and how it will serve the needs of the target stakeholders.

# WEBSITE LOGO DESIGN:

## L**ogo for** the **website**.

## E**xplanation of** the logo **design**, the meaning of each componentand the relation to the **website.**

# WEBSITE CONTENT AND PAGE DESCRIPTIONS:

## Description about content of each page on the website

## Explanation of how each page serves the main objective of the website.

# DATABASE DESIGN AND DATA MANAGEMENT:

## Description of the data types that will be managed on the website

## An overview and sample tables of the database design.

# WEB HOSTING SELECTION AND JUSTIFICATION

## The available web hosting options for the website

## The reasons for choosing a specific hosting provider.

# WEBSITE PROTOTYPE (GOOGLE SITES + BARCODE):

## Design of a complete Google Sites.

* + - The usage of URL link.
    - The usage of barcode images.

# ETHICAL, SOCIAL & PROFESSIONAL CONSIDERATIONS:

## The key societal impacts of the website.

## The ethical and professional challenges related to the website.

## The plan to address these issues.