

Abstract

BudgetX is a budget management website to provide people of any age group with tools to keep track of their overall budget, income, expenses and allowances. This website aims to help the users overcome the burden of managing and keeping track of their finances. The website will have a special focus on students living on limited allowances to help manage their timely expenditure.

We will be using CSS and JavaScript as front-end tools for content and design and PHP and MySQL as back-end tools for data manipulation.

BudgetX aims to provide a free and feature-rich finance management toolset to its users through a simple, easy-to-use interface and pre-built automation of basic tasks like tax payments and monthly allowances.

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1. Gantt Chart

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Chapter 1: Introduction

1.1 Background:

BudgetX is a website focused on helping people of any age group to manage their overall budget, income, expense and allowances. This website aims to help the users overcome the burden of managing and keeping track of their finances.

Finance management applications have been popular since the start of the modern era. For overseeing expenses and savings, finance managing websites are preferred and are trending. Websites such as Mint and Buxfer have been providing web-based services to customers since 2006. There are also apps in android and iOS market providing offline services to its users at certain costs.

To help with speedy management and saving time, BudgetX website will provide free online finance management with sync.

1.2 Objectives:

- Help students living away from home with their financial management.
- Assist with simple tasks automation like tax payments and monthly allowances
- Help create budget plans
- Show various investment opportunities

1.3 Motivation and Significance:

The trending finance management tools are especially fruitful for institutions who have high income and proper expenses. Some of the solutions even cost money. These applications while useful for adults and institutions, are not as useful for students and teenagers. BudgetX takes care of finance handling for these categories of people as well.

Chapter 2: Related Works

People face a lot of difficulty at the end of the month due to their frivolous lifestyle. They tend to waste a lot of money on unnecessary things and ultimately end up having a financial crisis at the end of the month. It becomes a habit and the problem repeats itself.

To get rid of these problems, in 2006 Aaron Patzer created Mint, a free web-based financial management service for US and Canada. Mint's primary service allows users to track bank accounts, credit cards, investments, and loan balances and transactions for its users. Though Mint is highly used estimated with up to 20 million users in 2016 with one of the best financial management, there are security concerns about the user information which have been reported to be stored in database in decryptable format. This possess a threat as a hack into the database could reveal bank account and finances of its users.

Buxfer (2006), created by Shashank Pandit also provides financial managerial support to its user. With its easy to use UI, and budgeting features Buxfer provides a more secure service compared to Mint, as Buxfer doesn't require the entry of sensitive banking information. It is even accessible from social media such as twitter and support online payment with Amazon. However, Buxfer lacks the proper interaction with its user due to its limited reporting options.

Another American software company Yodlee created "account aggregation" service in 1999 that allows users to check their banking, investment, accounts. It features bill payment, expense tracking and investment management. It had over 45 million users before it sold itself to Evestment in 2015. Although Yodlee was one of the first finance manager tool, it was later succeeded by other companies. Buxfer offers friendlier environment for its user yet comparing their capacity to process data and give financial support and view Mint are above other services at the moment.

Chapter 3: Method

1. CSS:

CSS will be used to design the user interface for the website.

2. JS:

JavaScript will be used to add interaction to the user experience and enhance the design with animations and interactivity.

1. PHP:

This project will use PHP for server-side scripting. PHP will be used to extract information from the database and present it to the users. It will also handle the authorization and security processes.

2. MySQL:

MySQL is to be used as the Database Management System for this project. It will be used to store the user information, the budgetary information and other data to be accessed by PHP.

Chapter 4: System Requirement Specification

4.1 Software Specification

4.1.1 Front-End Tools:

1. Sublime Text 3
2. Brackets

4.2.2 Back-End Tools:

1. XAMPP server
2. HeidiSQL

4.2 Hardware Specification

Any computer / smartphone with internet access

Chapter 5: Project Planning and Scheduling

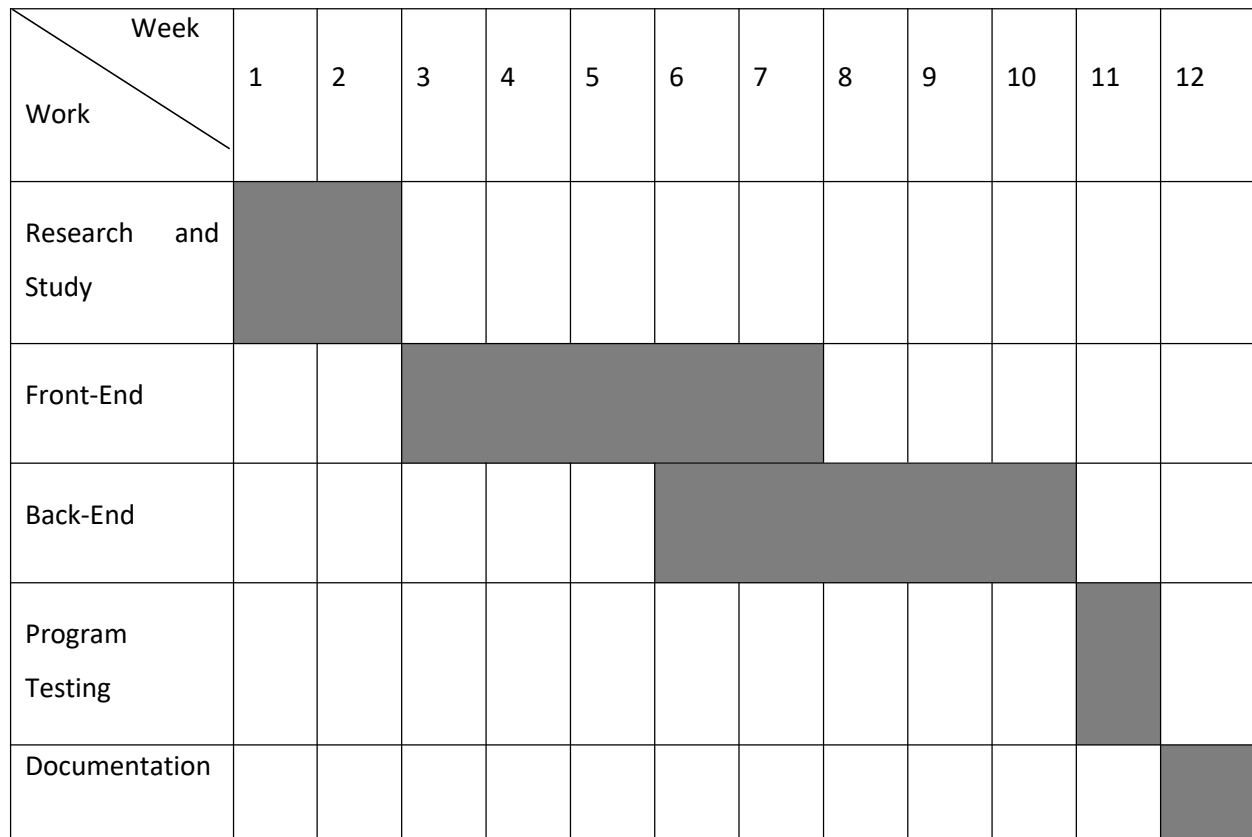


Figure: 5.1 Gantt Chart

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