

# Budget Management System

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# Abstract

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The main objective of this project is to create a system that analyzes a student's budget expectations for a particular month. The system records day to day transactions and payments made by the student. The numbers are stored in the Database for each student, which is accessed by Front End. Analysis of budget is calculated based on the pre-planned budget expectations made by the respective student.

This system is designed for University students to assist them with financial management.

# Introduction

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Budget Management has been a vital part of everyone's lives. Off late, students are being given the responsibility of managing money. Expenditure seems to be a very confusing part in this process. Poor planning has often led to ineffective choices thus leading to loss of money.

This can be taken care and managed by a simple budget management system which simply analyzes the needs and expenditure of the respective student. It provides the student with his/her own dashboard where they can enter their budget goals, daily transactions or payments and finally analyze data.

A final report is given to the student at the end of month based on the expenditure and goals provided by the student. This will thus help the student understand the process of budget management and improve his/her planning.

## Project Scope:

This project requires the need of a budget management system which navigates the planning of expenditure for a particular month. Major elements and features in this system includes data abstraction and encapsulation, since each student has access to their respective dashboard alone. This is done by registering to the system. 'Transaction' is present to accept daily payments made by the student, which is stored in the database and the 'analyzer' uses all this data to generate a final report at the end of the month. Reports vary based on expenditure of the respective student.

# System Specifications

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## Front End-

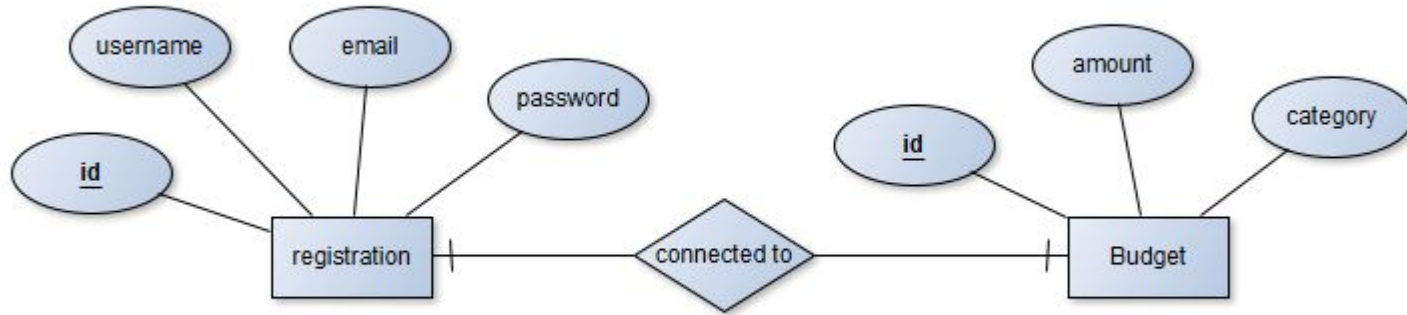
- HTML- A standard markup language for documents designed to be displayed in a web browser.
- CSS- A style sheet language used for describing the presentation of a document written in a markup language such as HTML.

## Back End-

- MYSQL- An open-source relational database management system.
- PHP- A general-purpose scripting language especially suited to web development.

# ER Diagram

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# Modules

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- **Dashboard** - It is the main module governing the entire system. It consists of all information provided by each student. However, it follows data abstraction and encapsulation to protect student data. Only by entering valid username and password, one can access their respective dashboard. Data that has been recorded and analyzed is displayed on the dashboard.
- **Expected expenditure** - This module enables the student to enter their respective financial goals for the given month. Categories are provided to the student as to how they want spend their money. All of this data is stored in the dashboard and is used in comparison with the daily transaction. Students can access and enter their data via dashboard, which displayed using Front End.
- **Transactions** - Daily transactions of users are recorded in this module. Data stored in this module is used in the next to analyze the entire budget. Data can be entered by the student on a daily basis after his/her expenditure for the day. Money spent in the respective category is deducted from it individually and this reflects on the total budget goal entered by the student at 'Expected Expenditure'.



# Modules

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- **Analyzer** - This module analyzes the whole data present in the previous modules. It compares transactions and daily payments with the expected expenditure. This takes place at the end of the month. Finally, it provides the student with financial assistance, as to how he/she could manage their budget expectations for the upcoming months by generating an appropriate report.

# Results Obtained

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## Register

Username

Email

Password

Confirm password

[Register](#)

Already a member? [Sign in](#)

## Login

Username

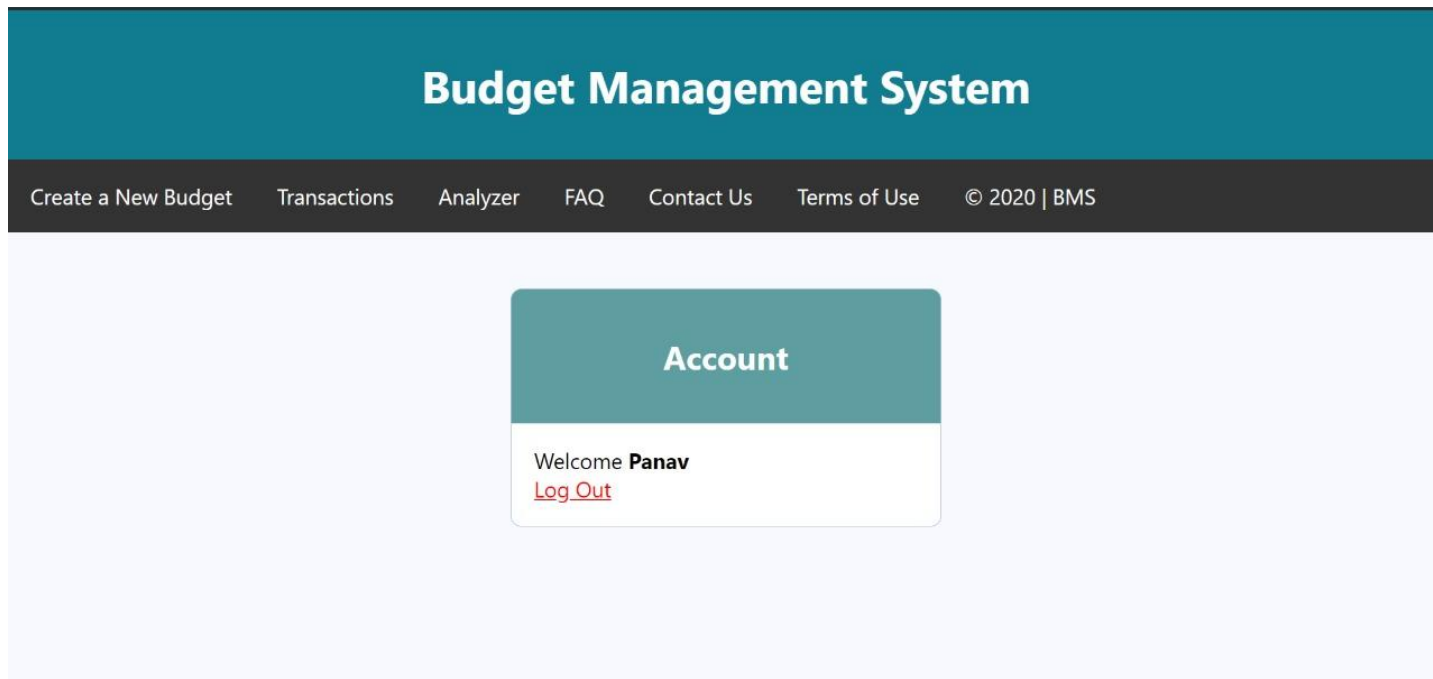
Password

[Login](#)

Not yet a member? [Sign up](#)

# Results Obtained

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# Results Obtained

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## Budget Management System

### Expense Details

Enter Category

Expenses Involved

Save

Total Amount = Rs. 2000

### List

| Category | Amount   | Actions           |                   |
|----------|----------|-------------------|-------------------|
| Food     | Rs. 1000 | <div>Update</div> | <div>Delete</div> |
| Clothing | Rs. 1000 | <div>Update</div> | <div>Delete</div> |

# Conclusion

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The purpose of this project was to create a simple budget management system to assist students in their expenditure for a particular month. Various features have been brought in place to navigate the student. This has thus enhanced the planning among students.