

## **Web Application Development Term Project Proposal**

**Title:** Budget Application

**Description:**

We will design a dynamic web application to help users manage their monthly spending. Users will be able to document their expected income, planned expenses, and financial transactions for each month. Expenses will be organized by category, i.e. Food, Housing, Lifestyle, and Transportation, to make them more readable.

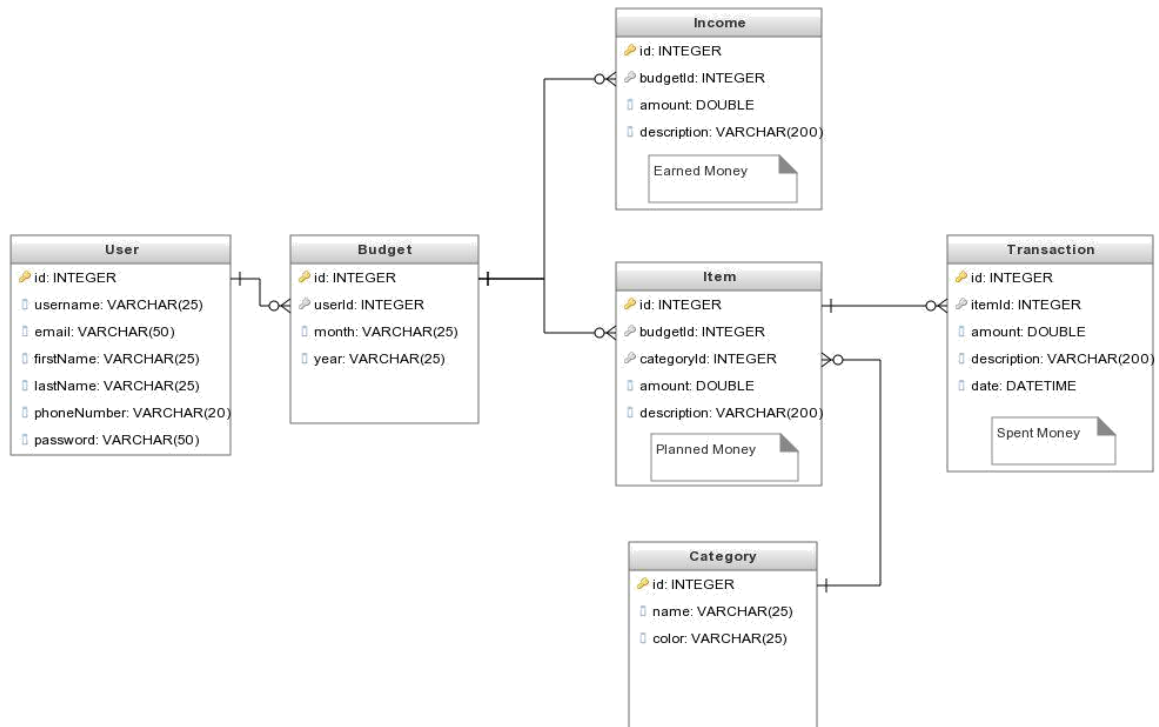
The application will be characterized by the following features:

- Interactive pie charts displaying total expenses for each budget category.
- Dynamically generated budget reports that can be exported in XML or PDF format.
- A notification system that will alert the user when they are over budget.
- Fully-featured MySQL database for managing user accounts and financial data (see **Figure 1** below).
- A summary of all transactions in each budget category and the amount remaining in the budget.

**External Libraries:**

Java JDBC MySQL Connector (<https://dev.mysql.com/downloads/connector/j/5.1.html>)

JSTL (<https://mvnrepository.com/artifact/javax.servlet/jstl/1.2>)



**Figure 1.**Database Diagram.