EXPENSE TRACKER WITH REPORTING

A Mini Project Report

Submitted by

ANNAPOORANI A

23CDR008

ARUNTHATHI D

23CDR013

22CDT41 - DATABASE MANAGEMENT SYSTEMS

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI ERODE-638060

MAY 2025

EXPENSE TRACKER WITH REPORTING

A Mini Project Report

Submitted by

ANNAPOORANI A

23CDR008

ARUNTHATHI D

23CDR013

22CDT41 - DATABASE MANAGEMENT SYSTEMS

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI ERODE-638060

MAY 2025

Problem Statement:

Expense Tracker with Reporting: Allows users to record their expenses and generate reports by category and date. (RDBMS: Expenses, Categories; Backend: Expense entry, data filtering and reporting).

Github Link:

https://github.com/Arunthathi45/Expense-Tacker

https://github.com/Annapoorani-A/Expense-Tracker-dbms

Modules and Description:

1. User Signup/Login Module
This module enables new users to register with a username and password, and allows existing users to securely log in. Authentication checks credentials against the stored data and grants access to the dashboard upon success.

2. Dashboard Module
Once logged in, users are taken to the dashboard where they can view their expense and income summaries. It acts as the main hub for navigating to different functionalities like adding transactions or checking reports.

3. Add Transaction Module
Users can add new transactions by specifying:
- Category (like Food, Rent, Salary, etc.)
- Amount
- Description
- Date

The system validates the inputs and saves them to the database.

4. View Expense Module
Displays a list of all transactions entered by the user. Transactions are shown in a tabular, allowing users to track and review past activity easily.

5. Edit/Delete Expense Module
Users can modify or remove existing transactions. This keeps the data accurate and up to date. Editing allows updating any transaction field, while deleting removes it permanently from the database.

ER Diagram:
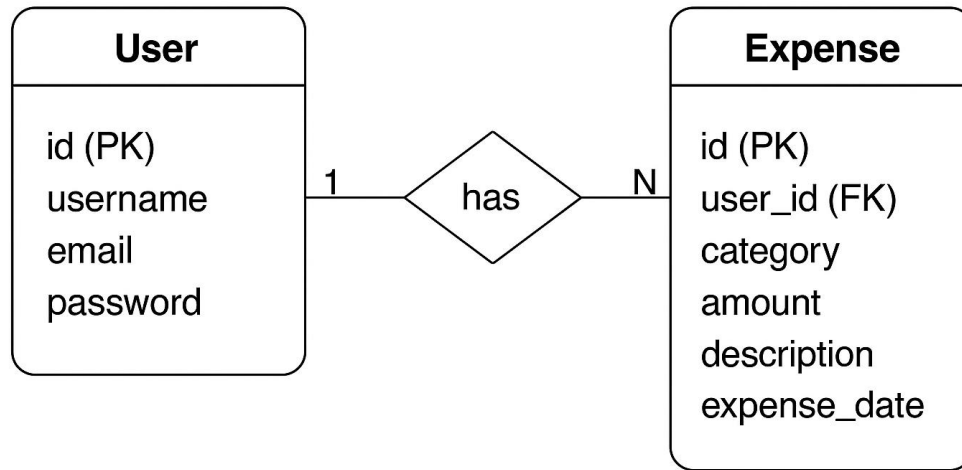
Programming Tools:

1. FRONTEND(User Interface)

HTML (HyperText Markup Language):
- **Description**: HTML is used to create the structure and content of web pages. In your Expense Tracker app, it builds the layout for the input forms, buttons, charts, and data display areas, such as the expense list.
- **Purpose**: It defines the basic elements like headings, tables, forms, and navigation that users interact with in the frontend of the app.

CSS (Cascading Style Sheets):
- **Description**: CSS is responsible for styling the HTML structure. It controls the appearance of the application, such as colors, fonts, spacing, and layout, ensuring the app is visually appealing and responsive on different devices.
- **Purpose**: It enhances the user interface by making the app more user-friendly, attractive, and easy to navigate, using styles for elements like buttons, input fields, and charts.

BACKEND (Server-side Logic):

These tools power the functionality behind the scenes (like logging in, storing data, processing requests):

PHP (Hypertext Preprocessor)
- Description: PHP is a server-side scripting language that processes requests from the frontend, handles form submissions, performs calculations, and communicates with the database to retrieve or update data.
- Purpose: It manages the business logic for actions like adding, editing, and deleting expenses, and is responsible for sending the appropriate responses to the frontend (e.g., success or error messages).

DATABASE:

These tools store and manage data like user details, equipment information, and bookings:

MySQL (Structured Query Language)
- Description: MySQL is a relational database management system (RDBMS) used to store and organize data, such as user accounts, expense records, and categories. The database stores structured data in tables.
- Purpose: It ensures that the app can store and retrieve data securely and efficiently. MySQL is used for creating, reading, updating, and deleting records (CRUD operations) for user expenses.

VISUAL STUDIO CODE(VS Code):

A powerful and user-friendly code editor used to write and manage the project's HTML, CSS, Python, and JavaScript files. It also supports syntax highlighting, extensions, and integrated terminal for running the Flask server.

Google Chrome (or any modern browser):

Used to open and test the web pages of the Equipment Booking System, such as login forms, dashboards, and equipment listings.

Database Design:

`users` Table:

Column Name	Data Type	Constraints
id	INT	Primary Key, Auto Increment
username	VARCHAR(50)	Not Null
email	VARCHAR(100)	Not Null, Unique
password	VARCHAR(255)	Not Null

`expenses` Table:

Column Name	Data Type	Constraints
id	INT	Primary Key, Auto Increment
user_id	INT	Foreign Key (users.id)
category	VARCHAR(100)	
amount	DECIMAL(10,2)	
description	TEXT	
expense_date	DATE	

SQL Query:

- USER TABLE:

   CREATE TABLE equipment (id INT AUTO_INCREMENT PRIMARY KEY,
   name VARCHAR(100) NOT NULL, description TEXT NOT NULL,
   quantity INT NOT NULL, category VARCHAR(100) NOT NULL,
   status VARCHAR(20) NOT NULL);

- EXPENSE TABLE:

   CREATE TABLE expenses (id INT AUTO_INCREMENT PRIMARY KEY,
   user_id INT, category VARCHAR(100), amount DECIMAL(10,2), description
   TEXT, expense_date DATE, FOREIGN KEY (user_id) REFERENCES users(id));

Coding:

HOME.PHP:

```php
<?php
session_start();

if (!isset($_SESSION['user_id'])) {
    header("Location: login.php");
    exit();
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Financial Dashboard | Expense Tracker</title>
    <script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
    <style>
        :root {
            --primary: #4CAF50;
            --primary-dark: #45a049;
            --danger: #f44336;
            --danger-dark: #d32f2f;
            --dark: #333;
            --light: #f5f5f5;
            --white: #ffffff;
            --border: #e0e0e0;
        }
    * {
            box-sizing: border-box;
            margin: 0;
            padding: 0;
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
```

```css
        }

        body {
          background-color: var(--light);
          color: var(--dark);
          line-height: 1.6;
        }

        .container {
          max-width: 1200px;
          margin: 0 auto;
          padding: 20px;
        }

        header {
          background: linear-gradient(135deg, var(--primary), #2E7D32);
          color: var(--white);
          padding: 2rem 0;
          text-align: center;
          border-radius: 10px;
          margin-bottom: 2rem;
          box-shadow: 0 4px 12px rgba(0,0,0,0.1);
        }

        .welcome-section {
          text-align: center;
          margin-bottom: 2rem;
        }

        .welcome-message {
          font-size: 1.8rem;
          color: var(--primary);
          margin-bottom: 1rem;
        }

        .quick-actions {
          display: flex;
          justify-content: center;
          gap: 1rem;
          margin-bottom: 2rem;
          flex-wrap: wrap;
        }
    btn {
          display: inline-block;
          padding: 0.8rem 1.5rem;
          border-radius: 50px;
          text-decoration: none;
          font-weight: 600;
          transition: all 0.3s ease;
          box-shadow: 0 2px 5px rgba(0,0,0,0.1);
        }

        .btn-primary {
          background-color: var(--primary);
          color: var(--white);
        }

        .
```

```css
btn-primary:hover {
    background-color: var(--primary-dark);
    transform: translateY(-2px);
}

.btn-danger {
    background-color: var(--danger);
    color: var(--white);
}

.btn-danger:hover {
    background-color: var(--danger-dark);
    transform: translateY(-2px);
}

.dashboard-grid {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
    gap: 2rem;
    margin-bottom: 2rem;
}

.card {
    background-color: var(--white);
    border-radius: 10px;
    padding: 1.5rem;
    box-shadow: 0 4px 6px rgba(0,0,0,0.05);
}

.card h2 {
    color: var(--primary);
    margin-bottom: 1rem;
    padding-bottom: 0.5rem;
    border-bottom: 2px solid var(--border);
}
chart-container {
    position: relative;
    height: 300px;
    margin: 1rem 0;
}
tip-box {
    background-color: #f9f9f9;
    border-left: 4px solid var(--primary);
    padding: 1rem;
    margin: 1rem 0;
    border-radius: 4px;
}

.tip-box h3 {
    color: var(--primary);
    margin-bottom: 0.5rem;
}

.tax-info {
    background-color: #e8f5e9;
    border-radius: 8px;
    padding: 1.5rem;
    margin-top: 1.5rem;
}
```

```css
        .tax-info h3 {
            color: #2E7D32;
            margin-bottom: 0.5rem;
        }

        footer {
            background-color: var(--dark);
            color: var(--white);
            text-align: center;
            padding: 2rem;
            border-radius: 10px;
            margin-top: 2rem;
        }

        .footer-links {
            display: flex;
            justify-content: center;
            gap: 1.5rem;
            margin: 1rem 0;
        }

        .footer-links a {
            color: var(--primary);
            text-decoration: none;
            transition: color 0.3s;
        }

  .footer-links a:hover {
            color: var(--white);
            text-decoration: underline;
        }

        @media (max-width: 768px) {
            .dashboard-grid {
                grid-template-columns: 1fr;
            }
        }

</style>
</head>
<body>
    <div class="container">
        <header>
            <h1>Financial Dashboard</h1>
            <p>Manage your expenses and grow your wealth</p>
        </header>

        <div class="welcome-section">
            <div class="welcome-message">Welcome back, <?php echo
htmlspecialchars($_SESSION['username']); ?>!</div>
            <div class="quick-actions">
                <a href="report.php" class="btn btn-primary">View Expense Report</a>
                <a href="add_expense.php" class="btn btn-primary">Add New Expense</a>
<a href="logout.php" class="btn btn-danger">Logout</a>
            </div>
        </div>
```

```html
  <div class="dashboard-grid">
        <div class="card">
            <h2>Budget Management</h2>
            <div class="tip-box">
                <h3>Set Clear Budget Goals</h3>
                <p>Start by categorizing your expenses into fixed (rent, utilities) and variable (entertainment,
dining out) costs. Allocate specific amounts to each category based on your income.</p>
            </div>
            <div class="tip-box">
                <h3>Use the 80/20 Rule</h3>
                <p>Try spending 80% of your income and saving 20%. As you progress, aim to increase your
savings percentage while maintaining your quality of life.</p>
            </div>
            <div class="tip-box">
                <h3>Review Weekly</h3>
                <p>Set aside time each week to review your spending against your budget. Small adjustments
made regularly are more effective than major overhauls.</p>
            </div>
        </div>

        <div class="card">
            <h2>Current Expense Breakdown</h2>
 <div class="chart-container">
                <canvas id="expenseChart"></canvas>
            </div>
            <p>Track where your money is going each month to identify saving opportunities.</p>
        </div>
    </div>

    <div class="dashboard-grid">
        <div class="card">
            <h2>Smart Saving Tips</h2>
            <div class="tip-box">
                <h3>Automate Your Savings</h3>
                <p>Set up automatic transfers to your savings account right after payday. Start with 10% of
your income and gradually increase.</p>
            </div>
            <div class="tip-box">
                <h3>High-Yield Savings</h3>
                <p>Consider opening a high-yield savings account (2-3% APY) for your emergency fund to
combat inflation.</p>
            </div>
<div class="tip-box">
                <h3>The 24-Hour Rule</h3>
                <p>For non-essential purchases over $100, wait 24 hours before buying. You'll often find you
didn't really need it.</p>
            </div>
        </div>

        <div class="card">
            <h2>Investment Strategies</h2>
            <div class="tip-box">
                <h3>Start Early</h3>

<p>Even small amounts invested regularly can grow significantly over time due to compound interest.</p>
            </div>
            <div class="tip-box">
                <h3>Diversify</h3>
```

```html
    <p>Spread your investments across different asset classes (stocks, bonds, real estate) to manage risk.</p>
          </div>
          <div class="tip-box">
             <h3>Low-Cost Index Funds</h3>
             <p>For beginners, consider low-cost index funds that track the market rather than trying to pick
individual stocks.</p>
          </div>
        </div>
     </div>

     <div class="card">
        <h2>Tax Information (GST & Financial Rules)</h2>
        <div class="tax-info">
           <h3>Understanding GST</h3>
<p>Goods and Services Tax (GST) is a comprehensive indirect tax levied on the supply of goods and
services. The current rates are 5%, 12%, 18%, and 28% depending on the category of goods/services.</p>

           <h3>Tax-Saving Investments</h3>
           <p>Under Section 80C, you can claim deductions up to ₹1.5 lakh for investments in ELSS, PPF,
NSC, life insurance premiums, and more.</p>

           <h3>Recent Changes</h3>
           <p>• Increased standard deduction for salaried individuals to ₹50,000<br>
           • New tax regime with lower rates but fewer deductions<br>
           • Higher TDS threshold for senior citizens</p>
        </div>
     </div>

     <footer>
        <p>© <?php echo date("Y"); ?> Expense Tracker. All rights reserved.</p>
        <div class="footer-links">
           <a href="https://www.incometaxindia.gov.in" target="_blank">Income Tax Department</a>
           <a href="https://www.gst.gov.in" target="_blank">GST Portal</a>
           <a href="https://www.rbi.org.in" target="_blank">RBI</a>
           <a href="https://www.sebi.gov.in" target="_blank">SEBI</a>
        </div>
     </footer>
  </div>

  <script>
     // Sample pie chart data - replace with your actual data from PHP
     const ctx = document.getElementById('expenseChart').getContext('2d');
     const expenseChart = new Chart(ctx, {
        type: 'pie',
        data: {
           labels: ['Housing', 'Food', 'Transport', 'Entertainment', 'Utilities', 'Others'],
           datasets: [{
              data: [30, 20, 15, 10, 15, 10],
              backgroundColor: [
                 '#4CAF50',
                 '#8BC34A',
                 '#FFC107',
                 '#FF9800',
                 '#2196F3',
                 '#9C27B0'
              ],
              borderWidth: 1
```

```
          }]
        },
        options: {
          responsive: true,
          maintainAspectRatio: false,




  plugins: {
            legend: {
              position: 'bottom',
            },
            tooltip: {
              callbacks: {
                label: function(context) {
                  return `${context.label}: ${context.raw}%`;
                }
              }
            }
          }
        }
      });
    </script>
</body>
</html>


ADD_EXPENSE.PHP:
<?php
session_start();
include 'db_connection.php';

if (!isset($_SESSION['user_id'])) {
    $_SESSION['user_id'] = 1; // For testing, remove after login system
}

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $category = $_POST['category'];
    $amount = $_POST['amount'];
    $description = $_POST['description'];
    $expense_date = $_POST['expense_date'];
    $user_id = $_SESSION['user_id'];

    $stmt = $pdo->prepare("INSERT INTO expenses (user_id, category, amount, description, expense_date)
VALUES (?, ?, ?, ?, ?)");
    $stmt->execute([$user_id, $category, $amount, $description, $expense_date]);

    header("Location: report.php");
    exit();
}
?>

<!DOCTYPE html>
<html>
<head>
    <title>Add Expense</title>
```

```
<style>
    body {
        font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        margin: 0;
        padding: 0;
        background-color: #f5f5f5;
        color: #333;
    }
    .container {
        max-width: 800px;
        margin: 0 auto;
        padding: 20px;
    }
    header {
        background-color: #4CAF50;
        color: white;
        padding: 20px 0;
        text-align: center;
        margin-bottom: 30px;
        border-radius: 5px;
        box-shadow: 0 2px 5px rgba(0,0,0,0.1);
    }
    h1, h2 {
        margin: 0;
    }
    .card {
        background-color: white;
        padding: 30px;
        border-radius: 5px;
        box-shadow: 0 2px 10px rgba(0,0,0,0.1);
        margin-bottom: 20px;
    }
    .form-group {
        margin-bottom: 20px;
    }
    label {
        display: block;
        margin-bottom: 8px;
        font-weight: bold;
    }
    input[type="text"],
    input[type="number"],
    input[type="date"] {
        width: 100%;
        padding: 10px;
        border: 1px solid #ddd;
        border-radius: 4px;
        box-sizing: border-box;
        font-size: 16px;
    }
    input[type="submit"] {
        background-color: #4CAF50;
        color: white;
        border: none;
        padding: 12px 20px;
        font-size: 16px;
        border-radius: 4px;
```

```css
        cursor: pointer;
            transition: background-color 0.3s;
        }
        input[type="submit"]:hover {
            background-color: #45a049;
        }
        .nav-links {
            margin-top: 20px;
            text-align: center;
        }
        .nav-links a {
            color: #4CAF50;
            text-decoration: none;
            margin: 0 10px;
            font-weight: bold;
        }
        .nav-links a:hover {
            text-decoration: underline;
        }
    </style>
</head>
<body>
    <div class="container">
        <header>
            <h1>Expense Tracker</h1>
        </header>

        <div class="card">
            <h2>Add Expense</h2>
            <form method="post">
                <div class="form-group">
                    <label for="category">Category:</label>
                    <input type="text" id="category" name="category" required>
                </div>

                <div class="form-group">
                    <label for="amount">Amount:</label>
                    <input type="number" id="amount" name="amount" step="0.01" required>
                </div>

                <div class="form-group">
                    <label for="description">Description:</label>
                    <input type="text" id="description" name="description">
                </div>

                <div class="form-group">
                    <label for="expense_date">Date:</label>
                    <input type="date" id="expense_date" name="expense_date" required>
                </div>

                <input type="submit" value="Add Expense">
            </form>
        </div>

        <div class="nav-links">
            <a href="report.php">View Report</a>
        </div>
    </div>
```

```
</body>
</html>
DB_CONNECTION.PHP:
<?php
$host = 'localhost';
$dbname = 'dbms2';
$username = 'root';
$password = '';

try {
    $pdo = new PDO("mysql:host=$host;dbname=$dbname", $username, $password);
    $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    die("Connection failed: " . $e->getMessage());
}
?>
DELETE_EXPESENE.PHP:
<?php
include 'db_connection.php';

$id = $_GET['id'];

$stmt = $pdo->prepare("DELETE FROM expenses WHERE id = ?");
$stmt->execute([$id]);

header("Location: report.php");
exit();

EDIT_EXPENSE.PHP:
<?php
include 'db_connection.php';

$id = $_GET['id'];

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $category = $_POST['category'];
    $amount = $_POST['amount'];
    $description = $_POST['description'];
    $expense_date = $_POST['expense_date'];

    $stmt = $pdo->prepare("UPDATE expenses SET category=?, amount=?, description=?, expense_date=?
WHERE id=?");
    $stmt->execute([$category, $amount, $description, $expense_date, $id]);

    header("Location: report.php");
    exit();
}

$stmt = $pdo->prepare("SELECT * FROM expenses WHERE id = ?");
$stmt->execute([$id]);
$expense = $stmt->fetch();
?>

?>

<!DOCTYPE html>
<html>
<head>
```

```html
<title>Edit Expense</title>
<style>
  body {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f5f5f5;
    color: #333;
  }
  .container {
    max-width: 800px;
    margin: 0 auto;
    padding: 20px;
  }
  header {
    background-color: #4CAF50;
    color: white;
    padding: 20px 0;
    text-align: center;
    margin-bottom: 30px;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);
  }
  h1, h2 {
    margin: 0;
  }
  .card {
    background-color: white;
    padding: 30px;
    border-radius: 5px;
    box-shadow: 0 2px 10px rgba(0,0,0,0.1);
    margin-bottom: 20px;
  }
  .form-group {
    margin-bottom: 20px;
  }
  label {
    display: block;
    margin-bottom: 8px;
    font-weight: bold;
  }
  input[type="text"],
  input[type="number"],
  input[type="date"] {
    width: 100%;
    padding: 10px;
    border: 1px solid #ddd;
    border-radius: 4px;
    box-sizing: border-box;
    font-size: 16px;
  }
  input[type="submit"] {
    background-color: #4CAF50;
    color: white;
    border: none;
    padding: 12px 20px;
    font-size: 16px;
    border-radius: 4px;
```

```
                    cursor: pointer;

                transition: background-color 0.3s;
            }
            input[type="submit"]:hover {
                background-color: #45a049;
            }
            .nav-links {
                margin-top: 20px;
                text-align: center;
            }
            .nav-links a {
                color: #4CAF50;
                text-decoration: none;
                margin: 0 10px;
                font-weight: bold;
            }
            .nav-links a:hover {
                text-decoration: underline;
            }
        </style>
</head>
<body>
    <div class="container">
        <header>
            <h1>Expense Tracker</h1>
        </header>

        <div class="card">
            <h2>Edit Expense</h2>
            <form method="post">
                <div class="form-group">
                    <label for="category">Category:</label>
                    <input type="text" id="category" name="category" value="<?= $expense['category'] ?>"
required>
                </div>

                <div class="form-group">
                    <label for="amount">Amount:</label>
                    <input type="number" id="amount" name="amount" value="<?= $expense['amount'] ?>"
step="0.01" required>
                </div>

                <div class="form-group">
                    <label for="description">Description:</label>
                    <input type="text" id="description" name="description" value="<?= $expense['description']
?>">
                </div>

                <div class="form-group">
                    <label for="expense_date">Date:</label>
                    <input type="date" id="expense_date" name="expense_date" value="<?=
$expense['expense_date'] ?>" required>
                </div>

                <input type="submit" value="Update Expense">
            </form>
        </div>
```

```html
  <div class="nav-links">
        <a href="report.php">Back to Report</a>
      </div>
    </div>
</body>
</html>
```
LOGIN.PHP:
```php
<?php
include 'db_connection.php';
session_start();

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $email = trim($_POST['email']);
    $password = $_POST['password'];

    // Prepare and execute using PDO
    $stmt = $pdo->prepare("SELECT * FROM users WHERE email = ?");
    $stmt->execute([$email]);
    $user = $stmt->fetch();

    // Verify password
    if ($user && password_verify($password, $user['password'])) {
        $_SESSION['user_id'] = $user['id'];
        $_SESSION['username'] = $user['username'];
        header("Location: home.php");
        exit();
    } else {
        echo "Invalid email or password.";
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login | Expense Tracker</title>
    <style>
        :root {
            --primary-color: #4CAF50;
            --secondary-color: #45a049;
            --text-color: #333;
            --light-bg: #f5f5f5;
            --white: #ffffff;
            --error-color: #f44336;
        }

        * {
            box-sizing: border-box;
            margin: 0;
            padding: 0;
        }

        body {
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
            background-color: var(--light-bg);
```

```css
      color: var(--text-color);
      line-height: 1.6;
      display: flex;
      justify-content: center;
      align-items: center;
      min-height: 100vh;
      padding: 20px;
    }

    .login-container {
      background-color: var(--white);
      border-radius: 8px;
      box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
      width: 100%;
      max-width: 400px;
      padding: 40px;
      text-align: center;
    }

    .logo {
      color: var(--primary-color);
      font-size: 2rem;
      font-weight: bold;
      margin-bottom: 10px;
    }

    h2 {
      color: var(--primary-color);
      margin-bottom: 30px;
    }

    .form-group {
      margin-bottom: 20px;
      text-align: left;
    }

    label {
      display: block;
      margin-bottom: 8px;
      font-weight: 600;
    }

    input[type="email"],
    input[type="password"] {
      width: 100%;
      padding: 12px 15px;
      border: 1px solid #ddd;
      border-radius: 4px;
      font-size: 16px;
      transition: border-color 0.3s;
    }

    input[type="email"]:focus,
    input[type="password"]:focus {
      border-color: var(--primary-color);
      outline: none;
    }
```

```css
    .btn {
        background-color: var(--primary-color);
        color: var(--white);
        border: none;
        padding: 12px 20px;
        font-size: 16px;
        border-radius: 4px;
        cursor: pointer;
        width: 100%;
        font-weight: 600;
        transition: background-color 0.3s;
    }

    .btn:hover {
        background-color: var(--secondary-color);
    }

    .error-message {
        color: var(--error-color);
        margin-bottom: 20px;
        font-size: 14px;
    }

    .register-link {
        margin-top: 20px;
        font-size: 14px;
    }

    .register-link a {
        color: var(--primary-color);
        text-decoration: none;
        font-weight: 600;
    }

    .register-link a:hover {
        text-decoration: underline;
    }
  </style>
</head>
<body>
    <div class="login-container">
        <div class="logo">ExpenseTracker</div>
        <h2>Login to Your Account</h2>

        <?php if (isset($error_message)): ?>
            <div class="error-message"><?php echo $error_message; ?></div>
        <?php endif; ?>

        <form method="post">
            <div class="form-group">
                <label for="email">Email</label>
                <input type="email" id="email" name="email" required>
            </div>

            <div class="form-group">
                <label for="password">Password</label>
                <input type="password" id="password" name="password" required>
```

```html
    </div>

        <button type="submit" class="btn">Login</button>
    </form>

    <div class="register-link">
        Don't have an account? <a href="register.php">Register</a>
    </div>
  </div>
</body>
</html>
```

LOGOUT.PHP:
```php
<?php
session_start();
session_destroy();
header("Location: login.php");
exit();
```

REGISTER.PHP:
```php
<?php
include 'db_connection.php';

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = trim($_POST['username']);
    $email = trim($_POST['email']);
    $password = password_hash($_POST['password'], PASSWORD_DEFAULT);

    // Check if email already exists
    $check_query = $pdo->prepare("SELECT * FROM users WHERE email = ?");
    $check_query->execute([$email]);

    if ($check_query->rowCount() > 0) {
        echo "Email already registered.";
    } else {
        // Insert new user
        $insert = $pdo->prepare("INSERT INTO users (username, email, password) VALUES (?, ?, ?)");
        if ($insert->execute([$username, $email, $password])) {
            echo "Registration successful. <a href='login.php'>Login here</a>";
        } else {
            echo "Error during registration.";
        }
    }
}
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Register | Expense Tracker</title>
    <style>
        :root {
            --primary-color: #4CAF50;
            --secondary-color: #45a049;
            --error-color: #f44336;
            --success-color: #4CAF50;
```

```css
    --text-color: #333;
        --light-bg: #f5f5f5;
        --white: #ffffff;
    }

    * {
        box-sizing: border-box;
        margin: 0;
        padding: 0;
    }

    body {
        font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        background-color: var(--light-bg);
        color: var(--text-color);
        line-height: 1.6;
        display: flex;
        justify-content: center;
        align-items: center;
        min-height: 100vh;
        padding: 20px;
    }

    .register-container {
        background-color: var(--white);
        border-radius: 8px;
        box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);
        width: 100%;
        max-width: 400px;
        padding: 40px;
        text-align: center;
    }

    .logo {
        color: var(--primary-color);
        font-size: 2rem;
        font-weight: bold;
        margin-bottom: 10px;
    }

    h2 {
        color: var(--primary-color);
        margin-bottom: 30px;
    }

    .form-group {
        margin-bottom: 20px;
        text-align: left;
    }

    label {
        display: block;
        margin-bottom: 8px;
        font-weight: 600;
    }

    input[type="text"],
```

```css
input[type="email"],
input[type="password"] {
    width: 100%;
    padding: 12px 15px;
    border: 1px solid #ddd;
    border-radius: 4px;
    font-size: 16px;
    transition: border-color 0.3s;
}

input:focus {
    border-color: var(--primary-color);
    outline: none;
}

.btn {
    background-color: var(--primary-color);
    color: var(--white);
    border: none;
    padding: 12px 20px;
    font-size: 16px;
    border-radius: 4px;
    cursor: pointer;
    width: 100%;
    font-weight: 600;
    transition: background-color 0.3s;
}

.btn:hover {
    background-color: var(--secondary-color);
}

.message {
    margin: 20px 0;
    padding: 10px;
    border-radius: 4px;
}

.error {
    background-color: #ffebee;
    color: var(--error-color);
    border-left: 4px solid var(--error-color);
}

.success {
    background-color: #e8f5e9;
    color: var(--success-color);
    border-left: 4px solid var(--success-color);
}

.login-link {
    margin-top: 20px;
    font-size: 14px;
}

.login-link a {
```

```css
    color: var(--primary-color);
      text-decoration: none;
      font-weight: 600;
    }

    .login-link a:hover {
      text-decoration: underline;
    }
  </style>
</head>
<body>
  <div class="register-container">
    <div class="logo">ExpenseTracker</div>
    <h2>Create Your Account</h2>

    <?php if (isset($error_message)): ?>
      <div class="message error"><?php echo $error_message; ?></div>
    <?php endif; ?>

    <?php if (isset($success_message)): ?>
      <div class="message success"><?php echo $success_message; ?></div>
    <?php endif; ?>

    <form method="post">
      <div class="form-group">
        <label for="username">Username</label>
        <input type="text" id="username" name="username" required>
      </div>

      <div class="form-group">
        <label for="email">Email</label>
        <input type="email" id="email" name="email" required>
      </div>

      <div class="form-group">
        <label for="password">Password</label>
        <input type="password" id="password" name="password" required>
      </div>

      <button type="submit" class="btn">Register</button>
    </form>

    <div class="login-link">
      Already registered? <a href="login.php">Login</a>
    </div>
  </div>
</body>
</html>
```

REPORT.PHP:
```php
<?php
session_start();
include 'db_connection.php';

if (!isset($_SESSION['user_id'])) {
   $_SESSION['user_id'] = 1;
}
```

```php
$user_id = $_SESSION['user_id'];
$stmt = $pdo->prepare("SELECT * FROM expenses WHERE user_id = ? ORDER BY
expense_date DESC");
$stmt->execute([$user_id]);
$expenses = $stmt->fetchAll();
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Expense Report | Expense Tracker</title>
    <style>
        :root {
            --primary-color: #4CAF50;
            --secondary-color: #45a049;
            --danger-color: #f44336;
            --text-color: #333;
            --light-bg: #f5f5f5;
            --white: #ffffff;
            --border-color: #ddd;
        }

        * {
            box-sizing: border-box;
            margin: 0;
            padding: 0;
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        }

        body {
            background-color: var(--light-bg);
            color: var(--text-color);
            line-height: 1.6;
            padding: 20px;
        }

        .container {
            max-width: 1200px;
            margin: 0 auto;
            background-color: var(--white);
            border-radius: 8px;
            box-shadow: 0 2px 10px rgba(0,0,0,0.1);
            padding: 30px;
        }

        .header {
            display: flex;
            justify-content: space-between;
            align-items: center;
            margin-bottom: 30px;
            padding-bottom: 20px;
```

```css
  border-bottom: 1px solid var(--border-color);
}

h2 {
    color: var(--primary-color);
}

.btn {
    display: inline-block;
    background-color: var(--primary-color);
    color: var(--white);
    text-decoration: none;
    padding: 10px 20px;
    border-radius: 4px;
    font-weight: 600;
    transition: background-color 0.3s;
}

.btn:hover {
    background-color: var(--secondary-color);
}

table {
    width: 100%;
    border-collapse: collapse;
    margin-top: 20px;
}

th, td {
    padding: 12px 15px;
    text-align: left;
    border-bottom: 1px solid var(--border-color);
}

th {
    background-color: var(--primary-color);
    color: var(--white);
    font-weight: 600;
}

tr:nth-child(even) {
    background-color: #f9f9f9;
}

tr:hover {
    background-color: #f1f1f1;
}

.action-link {
    color: var(--primary-color);
    text-decoration: none;
    margin-right: 10px;
    font-weight: 500;
```

```
            transition: color 0.3s;
        }

        .action-link:hover {
            text-decoration: underline;
        }

        .delete-link {
            color: var(--danger-color);
        }

        .amount {
            font-weight: 600;
        }

        @media (max-width: 768px) {
            .header {
                flex-direction: column;
                align-items: flex-start;
                gap: 15px;
            }

            table {
                display: block;
                overflow-x: auto;
            }
        }
    </style>
</head>
<body>
    <div class="container">
        <div class="header">
            <h2>Expense Report</h2>
            <a href="add_expense.php" class="btn">Add New Expense</a>
        </div>

        <table>
            <thead>
                <tr>
                    <th>Date</th>
                    <th>Category</th>
                    <th>Amount</th>
                    <th>Description</th>
                    <th>Actions</th>
                </tr>
            </thead>
            <tbody>
                <?php foreach ($expenses as $exp): ?>
                <tr>
                    <td><?= htmlspecialchars($exp['expense_date']) ?></td>
                    <td><?= htmlspecialchars($exp['category']) ?></td>
                    <td class="amount">$<?= number_format($exp['amount'], 2) ?></td>
                    <td><?= htmlspecialchars($exp['description']) ?></td>
```
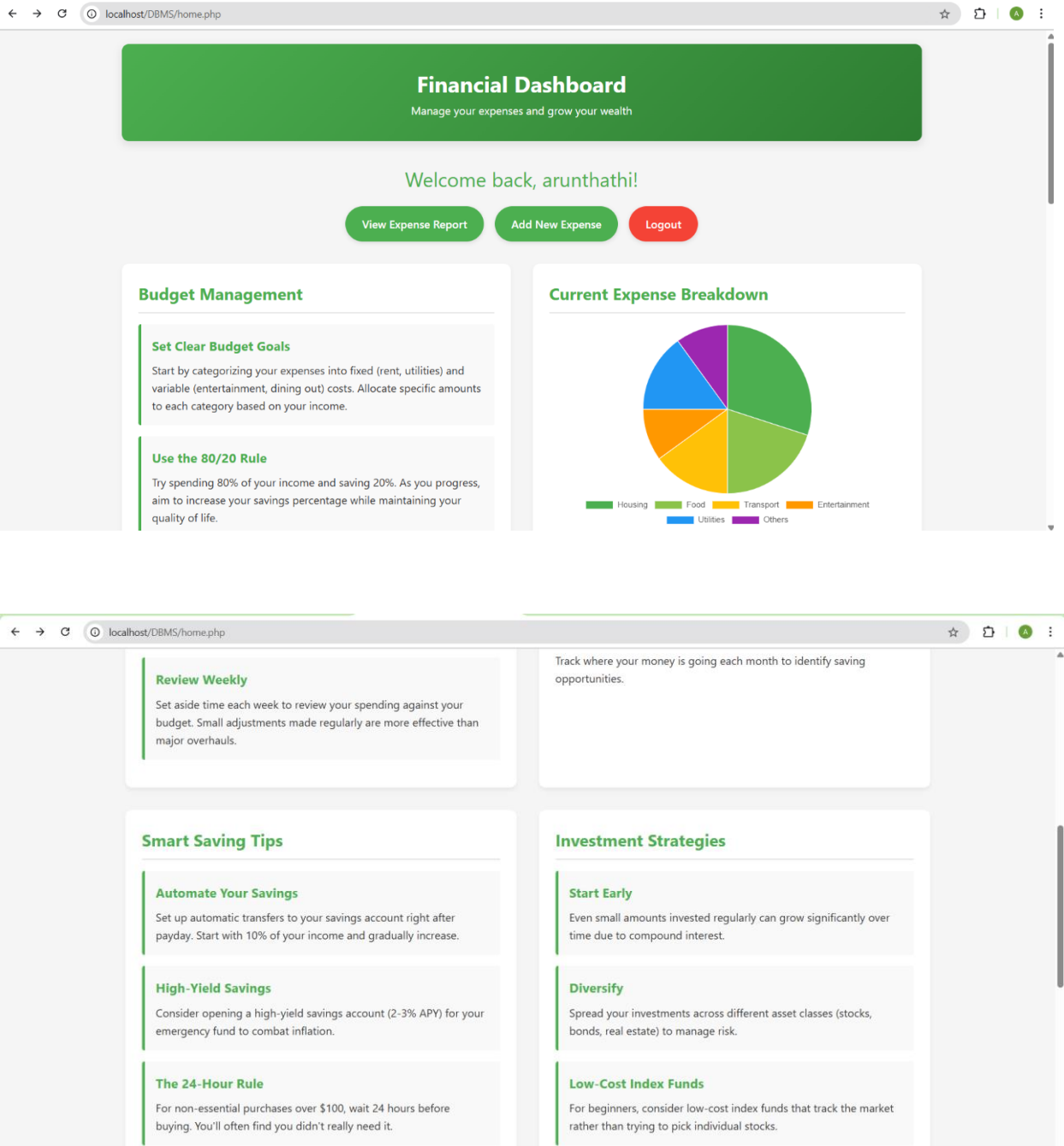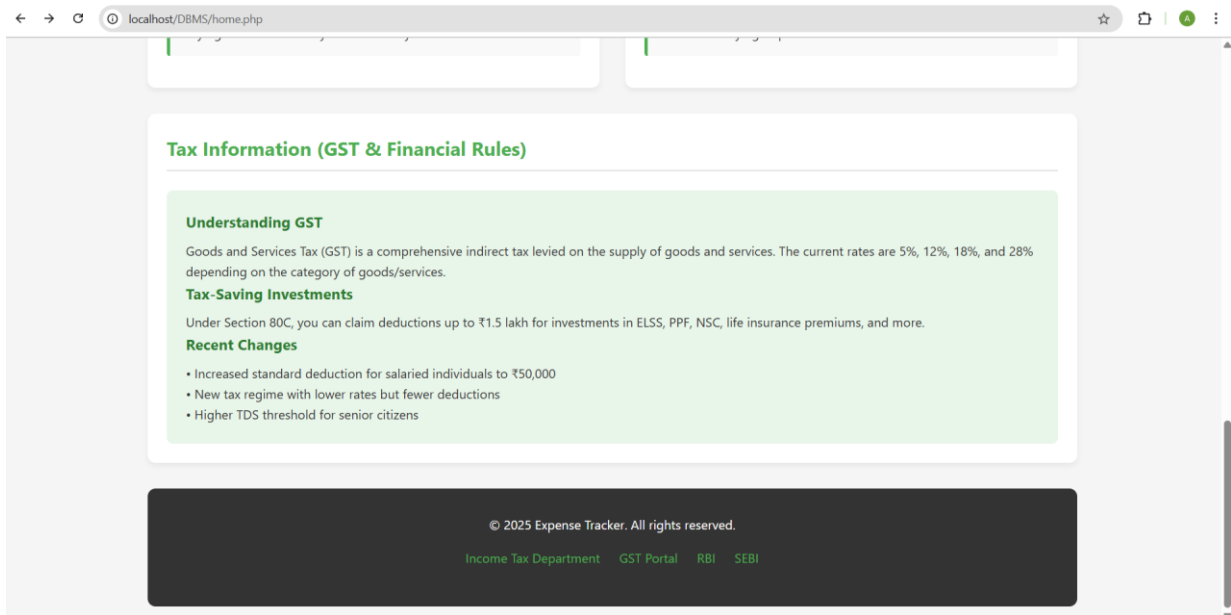
```
<td>
        <a href="edit_expense.php?id=<?= $exp['id'] ?>" class="action-link">Edit</a>
        <a href="delete_expense.php?id=<?= $exp['id'] ?>" class="action-link delete-link"
onclick="return confirm('Are you sure you want to delete this expense?')">Delete</a>
        </td>
    </tr>
    <?php endforeach; ?>
    </tbody>
  </table>
 </div>
</body>
</html>
```
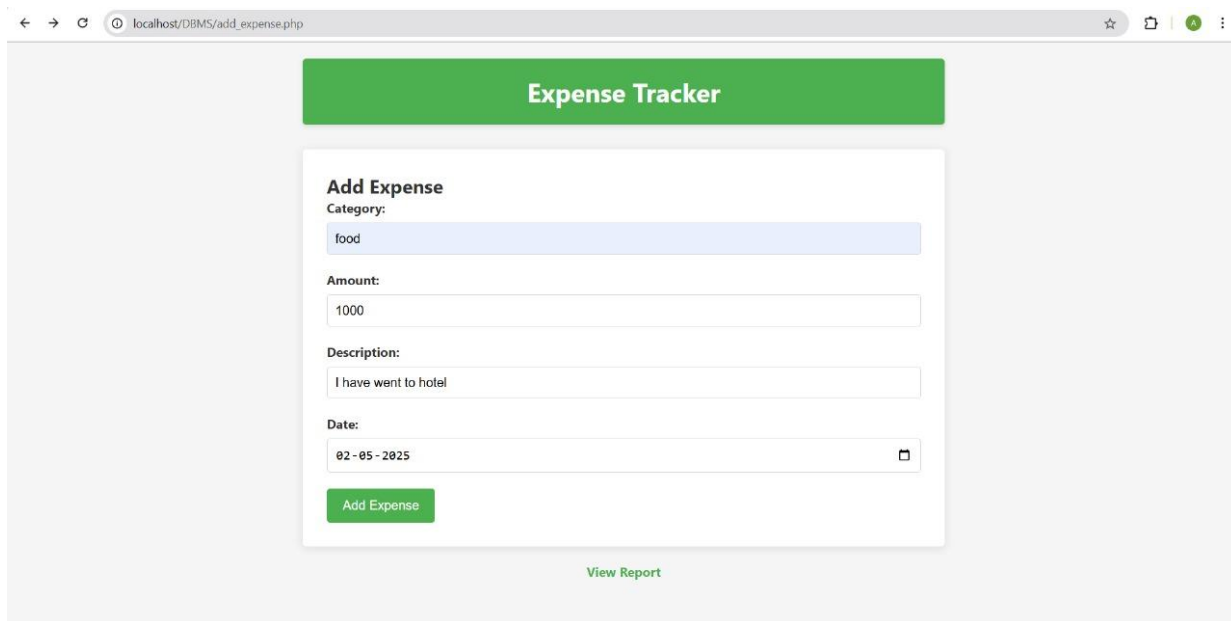
OUTPUT:

Home.page:

Tax Information (GST & Financial Rules)

Understanding GST

Goods and Services Tax (GST) is a comprehensive indirect tax levied on the supply of goods and services. The current rates are 5%, 12%, 18%, and 28% depending on the category of goods/services.

Tax-Saving Investments

Under Section 80C, you can claim deductions up to ₹1.5 lakh for investments in ELSS, PPF, NSC, life insurance premiums, and more.

Recent Changes

• Increased standard deduction for salaried individuals to ₹50,000
• New tax regime with lower rates but fewer deductions
• Higher TDS threshold for senior citizens

Add Expense page:

Expense Tracker

Add Expense

Category:

food

Amount:

1000

Description:

I have went to hotel

Date:

02-05-2025

Add Expense

View Report

Edit Page:

Delete Page:

View Page:

REFERENCE:
Book: SQL in 10 Minutes, Sams Teach Yourself by Ben Forta
Website:https://www.freecodecamp.org
https://www.php.net/manual/en/book.pdo.php
Youtube: Programming with Mosh – SQL Tutorial for Beginners