



Expense Tracker App – PHP + MySQL

A simple and elegant web application to **track your daily expenses**. Built using **PHP and MySQL**, this app helps users **add, view, filter, and summarize** their expenses with ease.

Objective

To build a PHP-MySQL powered application that allows users to:


- Add and manage their daily expenses
 - Filter expenses by month and year
 - Calculate total expenditure over selected periods
-

Skills Practiced

- PHP CRUD operations
 - MySQL database integration
 - Form handling & session basics
 - Data filtering and aggregation
 - Modular and secure backend logic
-

Core Features

1. Add Expense

 Users can record new expenses by submitting:

- Date of expense
- Amount spent
- Category (e.g., Food, Transport, Utilities)
- Description (optional)

2. View All Expenses

 Displays all expense entries in a **tabular format** with:

- Date
- Category
- Amount
- Description

3. Filter by Month & Year

 Users can filter expenses by:

- **Month** (e.g., January, February, etc.)

- **Year** 💡 This helps users analyze their spending behavior.

4. Total Expense Summary

💰 Calculates the **total spending** for the selected time period and displays it clearly.

🚀 Additional Features

- 📄 Automatic table creation on first load
 - 📊 Inline total calculation
 - 💡 Debug mode for testing database connectivity
 - 🔑 API endpoints for Add/Get/Delete
 - 📱 Responsive UI for mobile and desktop
 - 🔒 Secure form handling using **prepared statements**
-

📦 Download & Run (Localhost)

☑ Prerequisites

- PHP 7.4 or higher
 - MySQL 5.7+
 - Apache/Nginx or PHP built-in server
-

🔗 Setup Guide

1. Download Project

```
git clone https://github.com/shibbu04/expense-tracker.git
```

Or manually download and extract into your web root ([htdocs](#), [www](#), etc.)

2. Database Configuration

Default MySQL setup:

```
private $host = 'localhost';  
private $db_name = 'expense_tracker';  
private $username = 'root';  
private $password = '';
```

⚙ Edit [config/database.php](#) to match your MySQL credentials.

3. Run the App

◇ Option A: PHP Built-in Server

```
cd expense-tracker
php -S localhost:8000
```

Open in browser: <http://localhost:8000>

◇ Option B: XAMPP/WAMP/MAMP

1. Place project in [htdocs](#) or [www](#)
 2. Start Apache and MySQL
 3. Visit: <http://localhost/expense-tracker>
-

🔍 File Structure

```
expense-tracker/
├── config/           # DB config
├── includes/         # Shared header/footer
├── assets/           # CSS, images
├── index.php         # Dashboard
├── add_expense.php   # Add handler
├── get_expenses.php  # Fetch API
├── delete_expense.php # Delete API
├── debug.php         # Debug utility
└── README.md
```

🐞 Troubleshooting

✖ Can't Connect to DB?

- Check MySQL is running
- Ensure DB credentials are correct in [config/database.php](#)
- Verify [pdo](#) and [pdo_mysql](#) extensions are enabled in PHP

✖ Page not loading?

- Check PHP version (must be 7.4+)
 - Look for errors in browser/console/debug.php
-

🔒 Security Practices

- ☒ Prepared statements to prevent SQL Injection
- ☒ HTML escaping to prevent XSS




- ☒ Basic input validation
 - ☒ CSRF ready structure (can be extended)
-

☒ Project Completed!

Final Highlights:

- ☒ Simple & modern UI
 - ☒ Clean code with modular structure
 - ☒ Real-time filter & total updates
 - ☒ Secure backend
 - ☒ Automatic DB setup
 - ☒ Designed for learning and improvement
-

Connect With Me

-  Portfolio: <https://shivam04.tech>
-  GitHub: <https://github.com/shibbu04>
-  LinkedIn: <https://linkedin.com/in/shivamsingh57680>