**Project Title:** Personal Expense Tracker

**Team Members & Roles:**

| Name | ID | Roles |
| --- | --- | --- |
| Budrun Nahar Bristy | 2022-1-60-144 | Tester,Requirement Engineering |
| Prioti Kar Tithy | 2022-1-60-082 | Requirement Engineering,Project manager |
| Fatema Tuz Zannat | 2022-1-60-153 | Coder,Requirement Engineering |
| Abu Kahhar Mohammad Sakib | 2021-1-60-040 | Ui/Ux Designer,Project manager |

**Project Overview:**

Most people do not have budgeting and monitoring systems and therefore do not manage their finances. They do not understand where their money is being spent, and they spend more than they should. The Personal Expense Tracker gets rid of this problem by providing a simple-to-use platform to track income and expenses. The Personal Expense Tracker is a web application in which users can input their day-to-day, week-to-week, and month-to-month spending. The system categorizes the expenses, generates reports, and provides one with an overview of the expenses based on their spending pattern to help an individual manage money properly.

**Objectives:**

* Enable uses to record expense, income and budget with ease
* Classify where the money is being spent . Such as : food, transportation, rent etc.
* Create financial reports and graphs for analysis
* Allow users to set budget and get averted when over spending

**Scope:**

The Scopes of our Personal Expense Tracker:

* Users can log their daily, weekly, and monthly expenses and income.
* Users can set budgets and receive alerts when they exceed their limits.
* Generates reports and visual graphs to help users analyze spending patterns.
* The web application will be accessible across different devices.
* Any changes in expenses, income, or budget will be updated instantly.
* Continuous enhancements based on user testing and feedback.

**Proposed Methodology:**

For this project we will use the Agile model which will be better for it. In the Agile model it breaks the project into small,manageable and increments.This means we can deliver our working features early and continuously improve them, rather than waiting until the end of a lengthy development cycle. When we will start our work we need to make changes :according to our requirements so that we will use this model.

**Expected Technologies:**

* HTML
* CSS
* JavaScript
* PHP
* MySQL

**Tentative Timeline**

| **TASKS** |  |  |  | **Tmeline (Week)** |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** |
| **Planning** |  |  |  |  |  |  |  |  |  |
| **Requirement gathering & UI design** |  |  |  |  |  |  |  |  |  |
| **System Design** |  |  |  |  |  |  |  |  |  |
| **Database schema design & backend setup** |  |  |  |  |  |  |  |  |  |
| **Implementing frontend & user management** |  |  |  |  |  |  |  |  |  |
| **Testing & debugging** |  |  |  |  |  |  |  |  |  |
| **Deployment of the system** |  |  |  |  |  |  |  |  |  |

**Expected Deliverables:**

* A working web application prototype with all core features implemented.
* Final project report documenting the development process, challenges, and solutions.
* Presentation slides summarizing the project and its outcomes.
* Source code repository on GitHub.

**Potential Risks:**

* Integrating the frontend with the backend and database may present technical challenges.
* Ensuring the security of sensitive financial data may require extra attention, which will be addressed by implementing proper encryption and authentication practices.
* Given the tight timeline, there might be a risk of missing milestones. Regular meetings and progress tracking will help mitigate this risk.
* Ensuring the application meets user expectations for ease of use and effectiveness will be crucial. This will be managed through early prototyping and testing with real users.