Front-End UI/UX Mini Project

Personal Finance Dashboard

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Course: UI/UX Design Fundamentals

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2. Abstract

This project focuses on designing and building the front end of a personal finance dashboard. The main goal is to provide users with a clear, intuitive interface for tracking their financial status, including total balance, income, expenses, and recent transactions. Users can easily manage their finances at a glance.

The dashboard is developed using essential front-end technologies such as HTML and CSS. These tools enable responsive layout, clean visual design, and interactive components for displaying financial data.

The final outcome is a user-friendly dashboard that visually summarizes financial health, making it easier for users to oversee their earnings, expenditures, and transaction history.

3. Objectives

- Design a user-friendly interface using modern UI principles
- Develop a fully responsive layout using only HTML and CSS
- Implement structured HTML5 semantic elements
- Apply CSS styling for branding, layout, and responsive behavior
- Ensure accessibility and readability across devices

4. Scope of the Project

- Focused on front-end design only
- No JavaScript or server-side integration
- Intended for desktop, tablet, and mobile viewports
- Used only open-source tools and pure code (no libraries)

5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

6. HTML Structure Overview

- Used semantic tags: <header>, <nav>, <main>, <section>, <footer>
- Structured into reusable sections: About, Projects, Contact
- Navigation menu using <ul> and anchor links for smooth scrolling

7. CSS Styling Strategy

- Used external CSS file (style.css)
- Organized with comments and sections
- Techniques used:
  - Flexbox and Grid for layout
  - Media Queries for responsiveness
  - CSS Variables for theme customization

8. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top nav with anchor links
Contact Form (non-functional)	Placeholder layout for inputs and button
Accessible Fonts & Colors	High contrast and readable typography

9. Challenges Faced & Solutions

Challenge	Solution
Overlapping elements on small screens	Used media queries to stack elements
Difficulty aligning items using float	Shifted to Flexbox and Grid
Typography scaling issue	Used relative units (em/rem) instead of px

10. Outcome

- Achieved a clean, consistent, and visually engaging front-end layout
- All key components function as intended using just HTML and CSS
- Learned about layout responsiveness and UI hierarchy in depth

11. Future Enhancements

- Add JavaScript for interactivity (form validation, dynamic content)
- Integrate animations or transitions
- Backend integration for form submission
- Theme toggler (light/dark mode)

12. Sample Code

```html
<body>
    <header>
        <h1>💰 Personal Finance Dashboard</h1>
    </header>

    <main>
        <!-- Balance Overview -->
        <section class="card">
            <h2>Total Balance</h2>
            <p class="amount">₹75,000</p>
        </section>

        <!-- Income & Expenses -->
        <section class="card">
            <h2>Income & Expenses</h2>
            <div class="row">
                <div class="income">Income: ₹50,000</div>
                <div class="expense">Expense: ₹25,000</div>
            </div>
        </section>

        <!-- Transactions -->
        <section class="card">
            <h2>Recent Transactions</h2>
            <ul>
                <li>+ ₹20,000 - Salary</li>
                <li>- ₹2,000 - Groceries</li>
                <li>- ₹1,000 - Electricity Bill</li>
            </ul>
        </section>
```
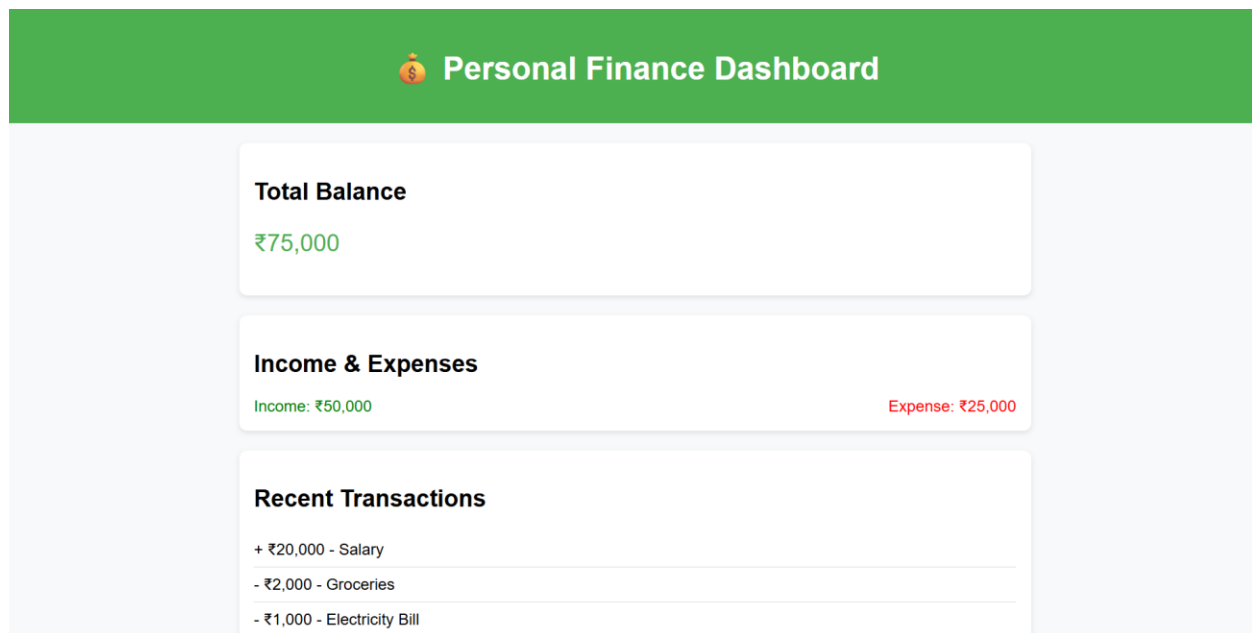
13. Screenshots of Final Output

11. Conclusion

This is a personal financial dashboard website which showcases the user's expenses, income, transactions and total balance.

This mini project helped me strengthen my front-end development skills using only HTML and CSS. I gained practical insights into responsive design, layout structuring, and user interface aesthetics. The hands-on implementation of design principles also enhanced my understanding of user-centric web design.

12. References

- L&T LMS : https://learn.lntedutech.com/Landing/MyCourse