**Documentation for the Personal Budget Tracker project**

**Description**

**Personal Budget Tracker is a simple web application for managing your personal budget. You can record income and expenses, control your balance, and save transaction data. The application works directly in the browser, storing your data using localStorage.**

**Main features**

**1. Adding transactions:**

**o Select the type: income or expense.**

**o Specify the cost, quality, and description.**

**o Data is displayed in localStorage.**

**2. Viewing statistics:**

**o Displaying total income, expenses, and current balance.**

**o Refreshing data after each processing.**

**3. Transaction history:**

**o List of all transactions with date, category, and amount.**

**o Button to delete unnecessary records.**

**4. Deleting transactions:**

**o Delete any history entry. The data will be updated automatically.**

**Project structure**

**1. HTML (index.html):**

**o Page framework: sections for statistics, forms, and transaction history.**

**o Including CSS and JavaScript.**

**2. <!DOCTYPE html>**

**3. <html lang="ru">**

**4. <head>**

**5. <meta encoding="UTF-8">**

**6. <meta name="viewport" content="width=device-width, Initial-scale=1.0">**

**7. <title>Tracking your personal budget</title>**

**8. <link rel="stylesheet" href="style.css">**

**9. </head>**

**10. <body>**

**11. <!-- Main sections of the interface -->**

**12. <script src="script.js"></script>**

**13. </body>**

**14. </html>**

**15. CSS (style.css):**

**o Styles for interface design:**

** Unified style of text, buttons and lamp.**

** Certified design of income and expenses.**

**16. body {**

**17. font-family: Arial, sans-serif;**

**18. background-color: #f4f4f4;**

**19. }**

**20. header {**

**21. background-color: #2c7f7b;**

**22. color: white;**

**23. }**

**24. .transaction.expense {**

**25. left-border: solid 5px #f44336;**

**26. }**

**27. .transaction.income {**

**28. left-border: solid 5px #4caf50;**

**29. }**

**30. JavaScript (script.js):**

**o Application logic:**

** Adding and deleting transactions.**

** Updating statistics and history.**

** Saving data to localStorage.**

**31. const transactions = JSON.parse(localStorage.getItem("transactions")) || [];**

**32.**

**33. transactionForm.addEventListener("submit", (e) => {**

**34. e.preventDefault();**

**35. const type = document.getElementById("type").value;**

**36. const amount = parseFloat(document .getElementById("amount").value);**

**37. const category = document.getElementById("category").value;**

**38.**

**39. transaction.push({**

**40. type,**

**41. amount,**

**42. category,**

**43. date: new Date().toLocaleDateString(),**

**44. });**

**45.**

**46. saveTransactions();**

**47. refreshDescribingPanel();**

**48. renderTransactions();**

**49. });**

**50.**

**51. saveTransactions() function {**

**52. localStorage.setItem("transactions", JSON.stringify(transactions));**

**53. }**

**How to use**

**1. Adding transactions:**

**o In the "Add transaction" section, select the type (income or expense).**

**o Specify the cost, quality and description (optional).**

**o Click "Add" - the entry will appear in the history, the statistics will be updated.**

**2. Viewing statistics:**

**o The "Control Panel" section shows:**

** Total income.**

** Total expenses.**

** Balance (the difference between income and expenses).**

**3. Deleting transactions:**

**o In the "Transaction history" section, click the "Delete" button next to the unnecessary entry. The data will be updated.**

**Example of use**

**• Income:**

**Type: Income**

**Amount: 1000**

**Category: Salary**

**After adding: income increases by 1000, balance will be updated.**

**• Expense:**

**Type: Expense**

**Amount: 300**

**Category: Food**

**After adding: expenses increase by 300, balance will be decreased.**

**Conclusion**

**Personal Budget Tracker is a convenient tool for budget control. Use it easily and save data between sessions so you always know your finances.**