



Money Map

Team Members:

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Diaz

Project Purpose

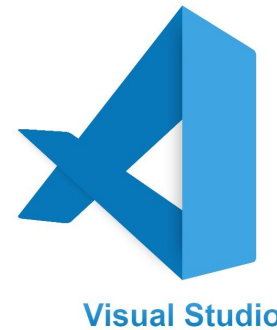
Personal Finances can get complicated. Multiple Bank accounts spread across financial institutions can prove cumbersome to manage. Having multiple loans for cars, home, or other purposes provide a confusing environment where a single missed payment or unfavorable term can stain a credit report for years. Money Map aims to provide a convenient platform to track these financials.

Project Requirements

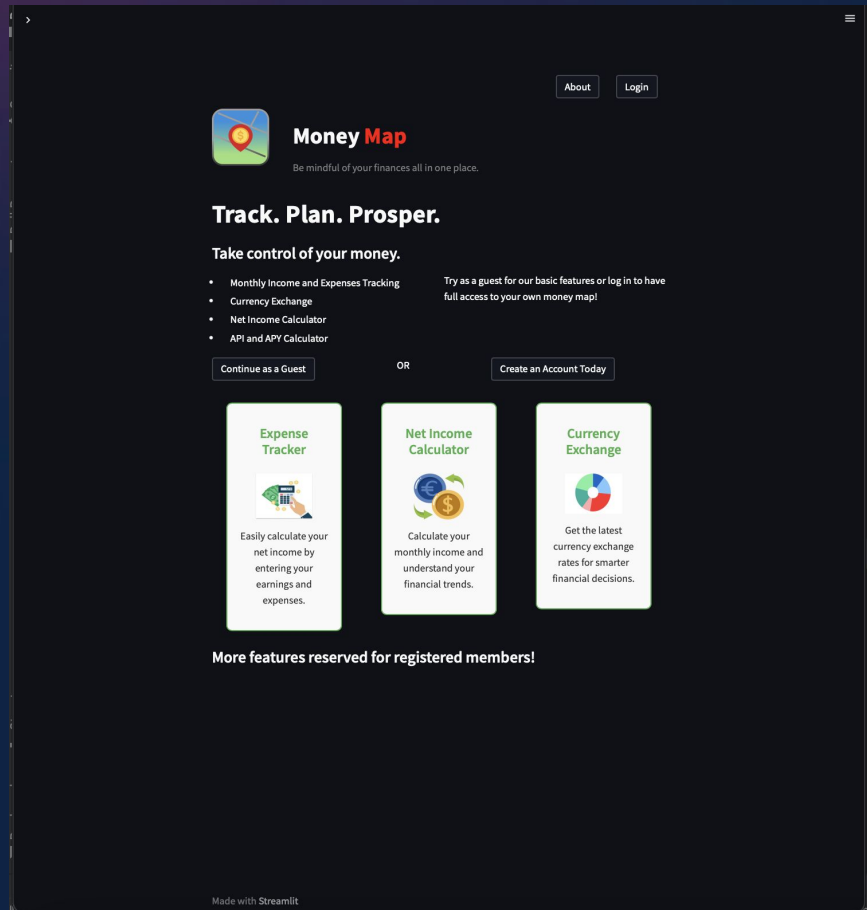
- Web Application
- User and Guest Access
- Accurate and Fast Calculations
- Visually appealing and easy to navigate interface
- Secure storage of user information

Tech Stack

- Ease of Use
- Previous experience
- Extensive Documentation
- Scales well

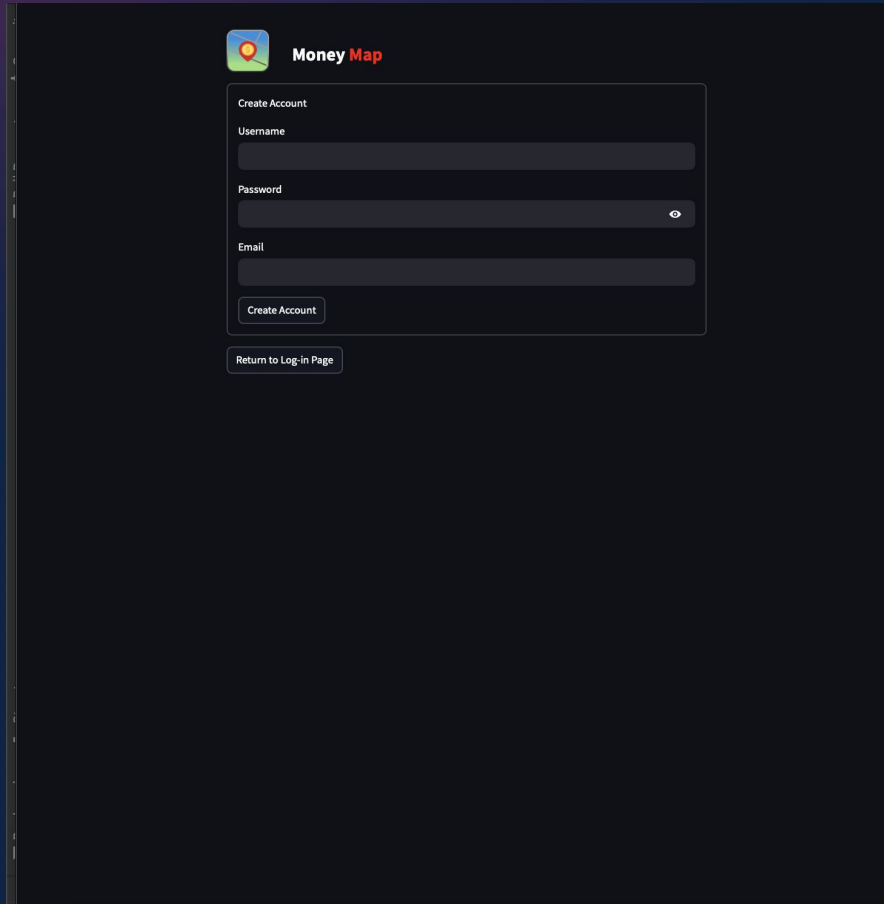


Home Page



- Provides easy access to log in, signup, or access a guest account
- Shows information and features of Money Map

Sign Up Page



The screenshot shows a web page for 'Money Map' with a dark background. At the top left is a logo with a green square and a red location pin, followed by the text 'Money Map' in white. Below this is a 'Create Account' section with three input fields: 'Username', 'Password', and 'Email'. The 'Password' field has a small eye icon to its right. Below the input fields is a 'Create Account' button. At the bottom of the form is a 'Return to Log-in Page' button.

- User fills in form for signup
- Checks if the username is already in use

Creating Account



Money Map

Create Account

Username
test1

Password
.....

Email
test1@gmail.com

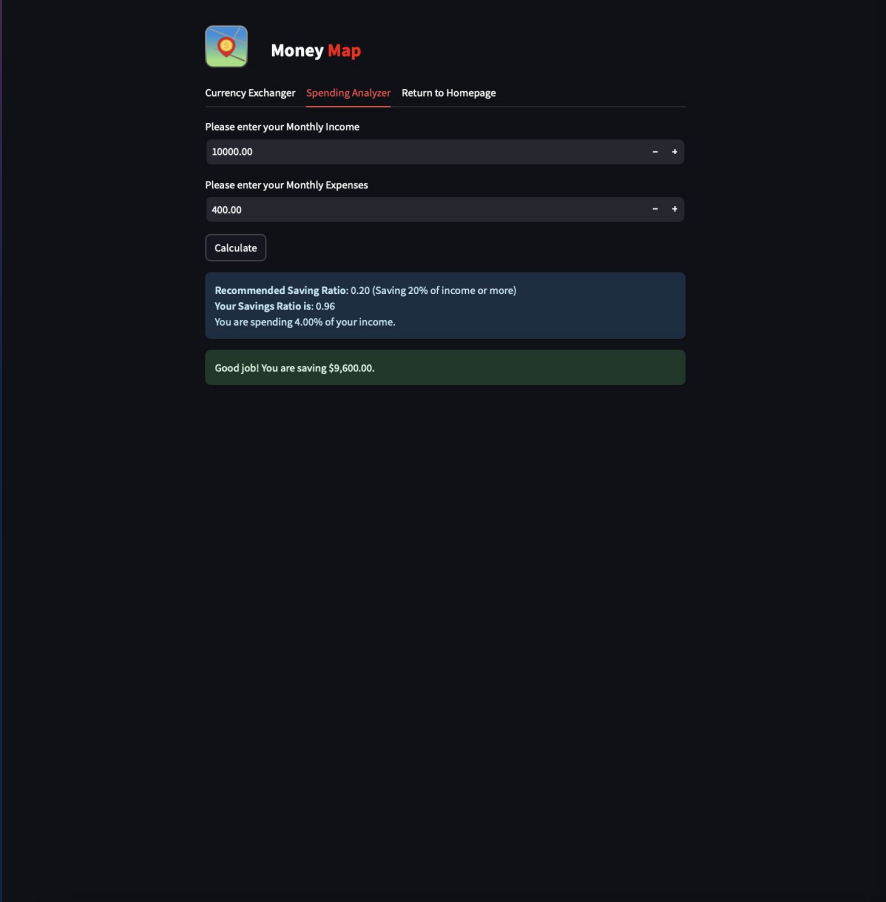
Create Account

Account created successfully!

[Return to Log-in Page](#)

- If Username is not already in use, all fields are filled, and user selects create Account, Success message will be displayed.

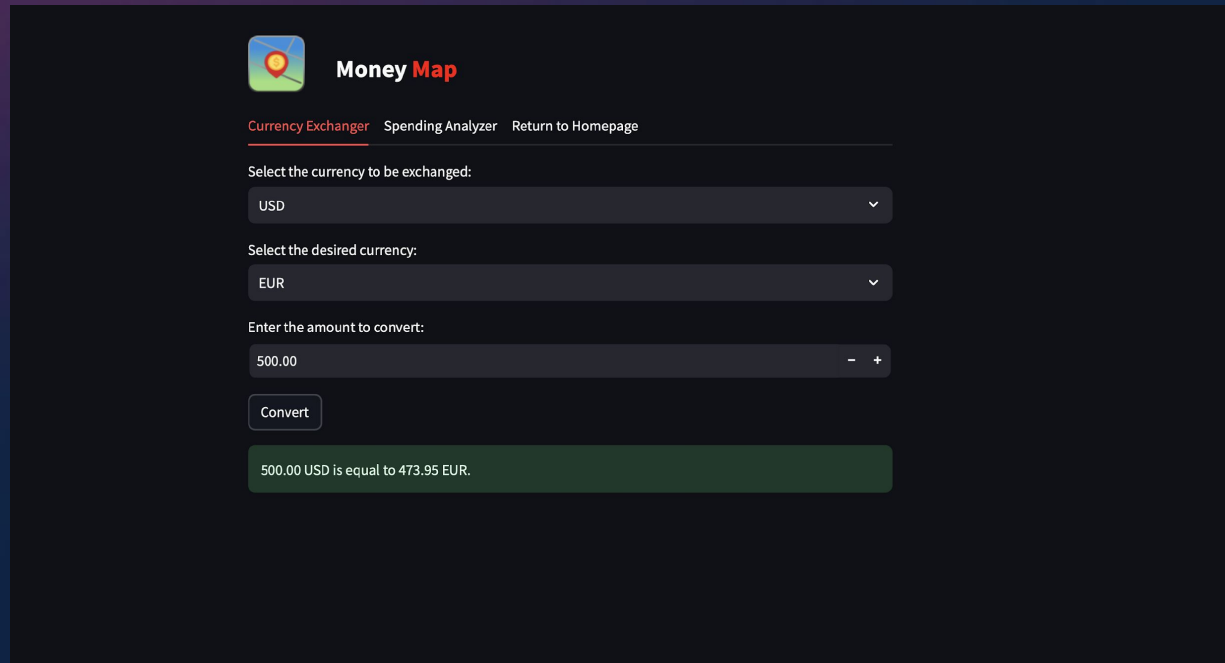
Guest Page Spending Page



The screenshot shows a web application titled "Money Map" with a navigation bar containing "Currency Exchanger", "Spending Analyzer" (highlighted), and "Return to Homepage". The main form has two input fields: "Please enter your Monthly Income" with a value of 10000.00 and "Please enter your Monthly Expenses" with a value of 400.00. A "Calculate" button is positioned below these fields. The results section displays: "Recommended Saving Ratio: 0.20 (Saving 20% of income or more)", "Your Savings Ratio is: 0.96", and "You are spending 4.00% of your income." A final green message box states: "Good job! You are saving \$9,600.00."

- User enters Income and expenses
- Returns Spending Ratio, Spending Percentage, and how much money is being saved

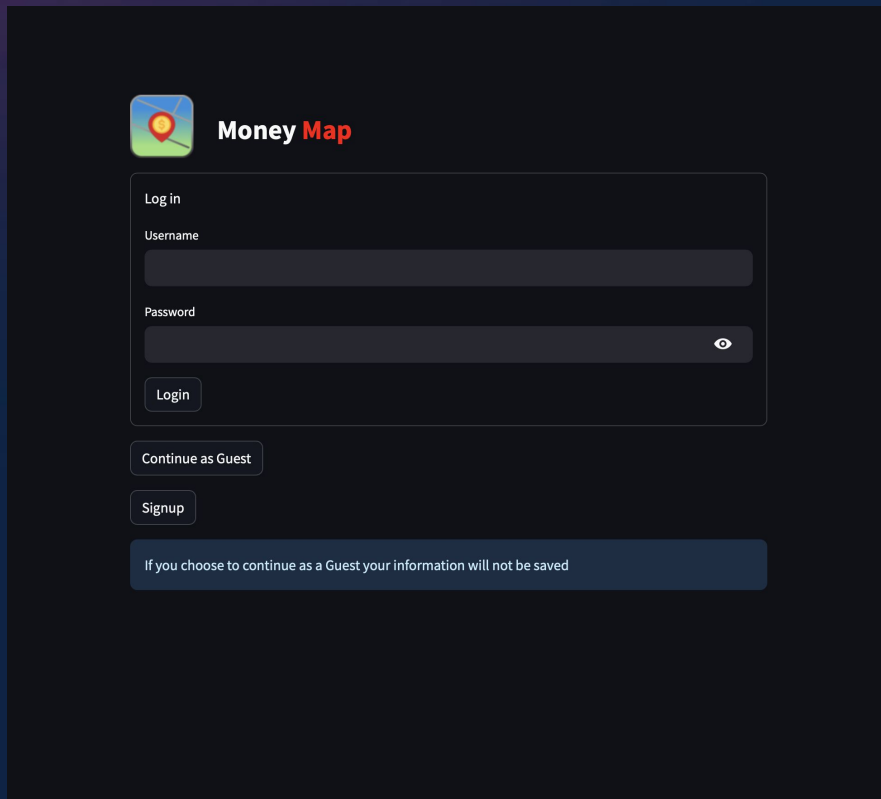
Guest Page Currency Exchange



The screenshot shows a web interface for 'Money Map'. At the top, there is a navigation bar with a logo and the text 'Money Map'. Below this, there are three links: 'Currency Exchanger' (highlighted in red), 'Spending Analyzer', and 'Return to Homepage'. The main form has three sections: 'Select the currency to be exchanged:' with a dropdown menu showing 'USD'; 'Select the desired currency:' with a dropdown menu showing 'EUR'; and 'Enter the amount to convert:' with a text input field containing '500.00' and minus/plus buttons. A 'Convert' button is located below the input field. At the bottom, a green box displays the result: '500.00 USD is equal to 473.95 EUR.'

- User enters starting currency, currency to be converted into, and amount to be converted
- Returns amount in new converted currency

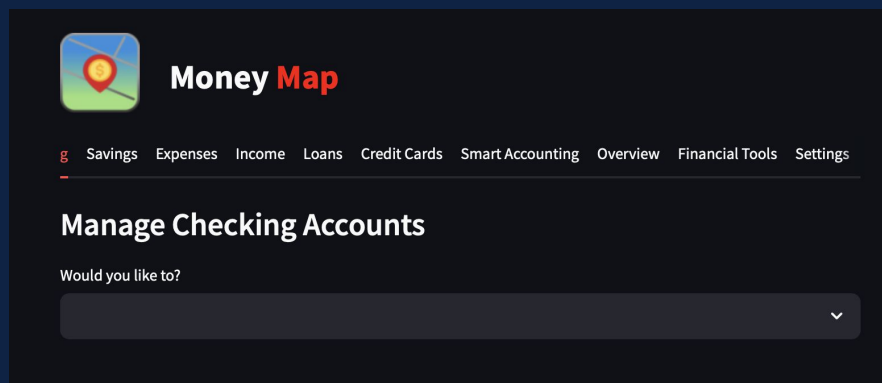
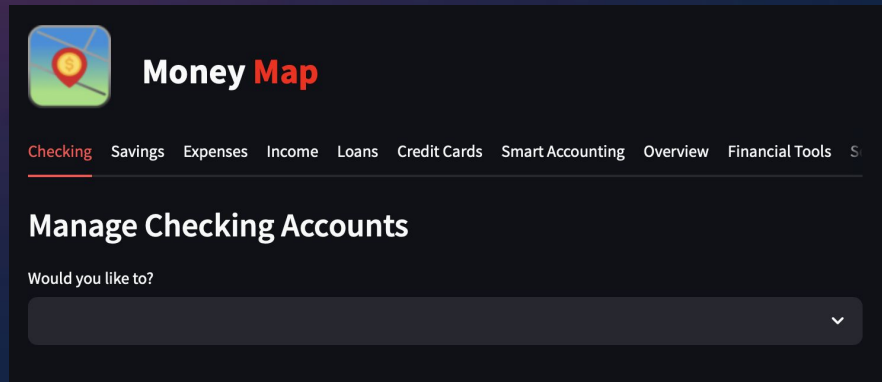
Login Page



The screenshot shows a login interface for 'Money Map'. At the top left is a logo with a red location pin and the text 'Money Map'. Below the logo is a 'Log in' section containing a 'Username' input field, a 'Password' input field with a toggle eye icon, a 'Login' button, a 'Continue as Guest' button, and a 'Signup' button. At the bottom, a light blue box contains the text: 'If you choose to continue as a Guest your information will not be saved'.

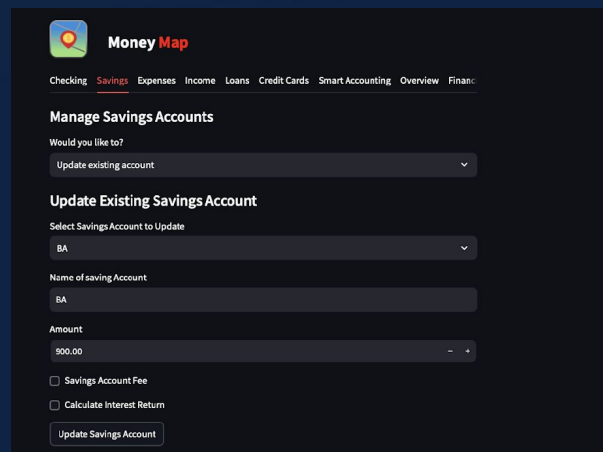
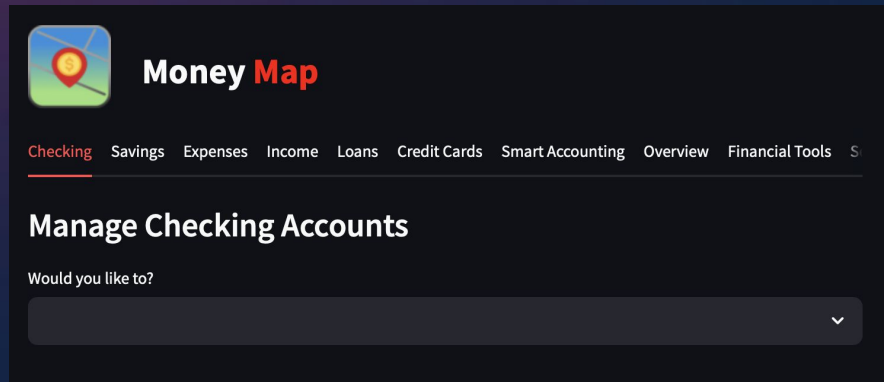
- User enters Login Information: Username and Password
- User can select to be redirected to Guest Page or Signup page
- Info message is displayed stating that information will not be save if user continues as Guest

Logged in User Landing Page



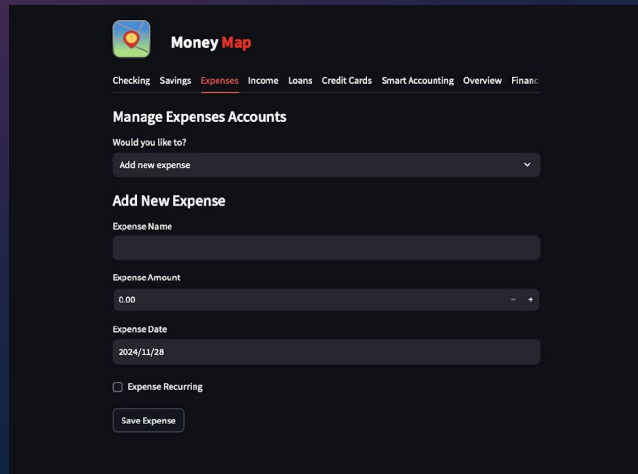
- Once logged in User can select among different tabs:
- Checking
- Savings
- Expenses
- Income
- Loans
- Credit Cards
- Smart Accounting
- Overview
- Financial Tools
- Settings

Logged in User Checking / Savings Tabs



- Logged in Users can
 - Create new accounts with name, amount, interest return, account fees
 - Edit existing accounts
 - Delete Existing Accounts

Logged in User Expenses / Income Tab



Money Map

Checking Savings **Expenses** Income Loans Credit Cards Smart Accounting Overview Finance

Manage Expenses Accounts

Would you like to?

Add new expense

Add New Expense

Expense Name

Expense Amount

0.00

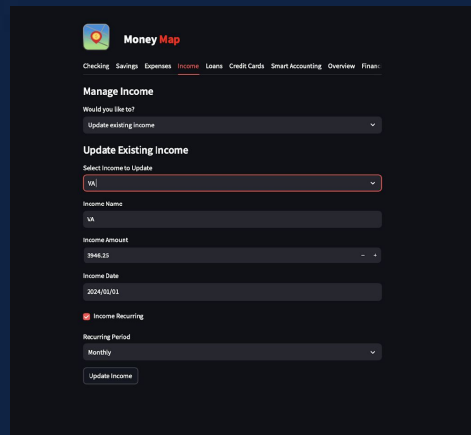
Expense Date

2024/11/28

☐ Expense Recurring

Save Expense

- Logged in Users can
 - Create new expenditures or income with name, amount, date, and designate it as recurring or not
 - Edit existing expenditures or income
 - Delete Existing expenditures or income



Money Map

Checking Savings Expenses **Income** Loans Credit Cards Smart Accounting Overview Finance

Manage Income

Would you like to?

Update existing income

Update Existing Income

Select Income to Update

IA

Income Name

IA

Income Amount

3946.25

Income Date

2024/01/01

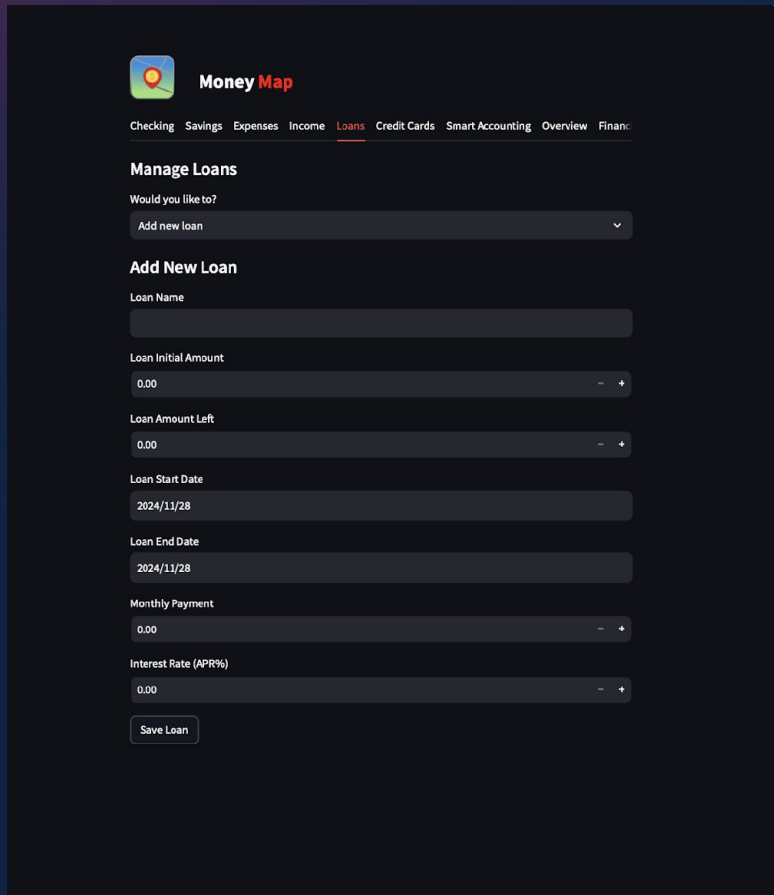
☒ Income Recurring

Recurring Period

Monthly

Update Income

Logged in User Loan tab



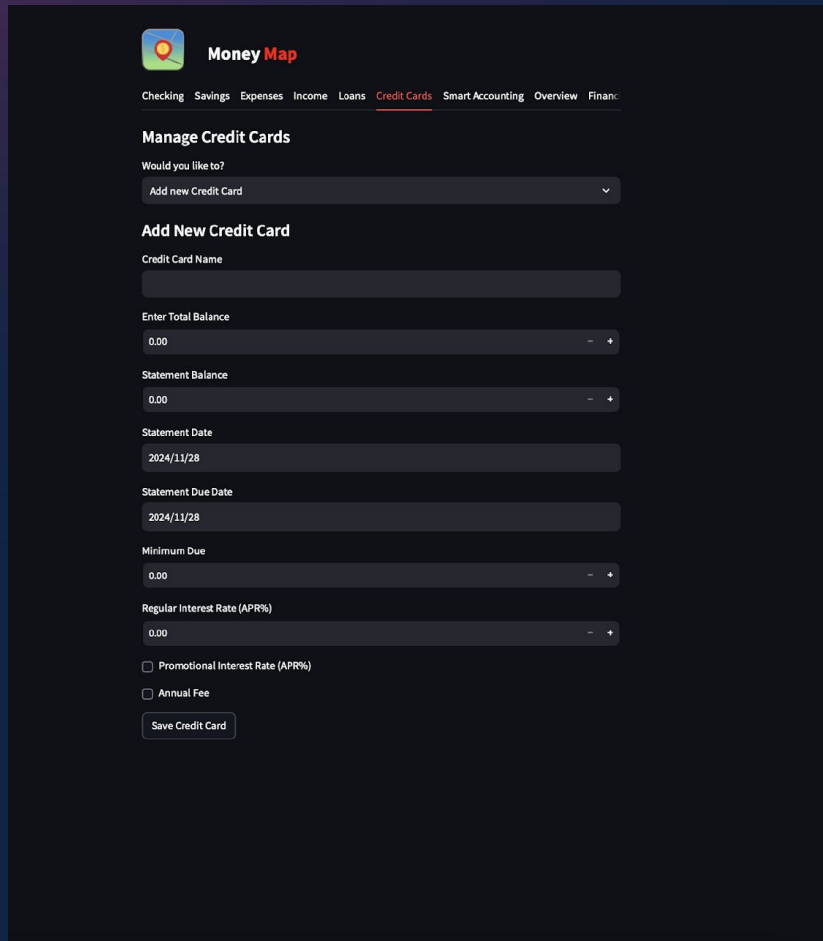
The screenshot shows the 'Money Map' application interface. At the top, there is a navigation bar with tabs: Checking, Savings, Expenses, Income, Loans (highlighted), Credit Cards, Smart Accounting, Overview, and Finance. Below the navigation bar, the 'Manage Loans' section is visible. It includes a dropdown menu labeled 'Would you like to?' with 'Add new loan' selected. Below this is the 'Add New Loan' form, which contains the following fields:

- Loan Name: A text input field.
- Loan Initial Amount: A numeric input field with a value of 0.00 and a minus/plus toggle.
- Loan Amount Left: A numeric input field with a value of 0.00 and a minus/plus toggle.
- Loan Start Date: A date input field with the value 2024/11/28.
- Loan End Date: A date input field with the value 2024/11/28.
- Monthly Payment: A numeric input field with a value of 0.00 and a minus/plus toggle.
- Interest Rate (APR%): A numeric input field with a value of 0.00 and a minus/plus toggle.

At the bottom of the form is a 'Save Loan' button.

- Logged in Users can
 - Create Loans with a name, initial amount, amount left, start date, end date, monthly payment, and Interest rate
 - Edit existing Loans
 - Delete existing Loans

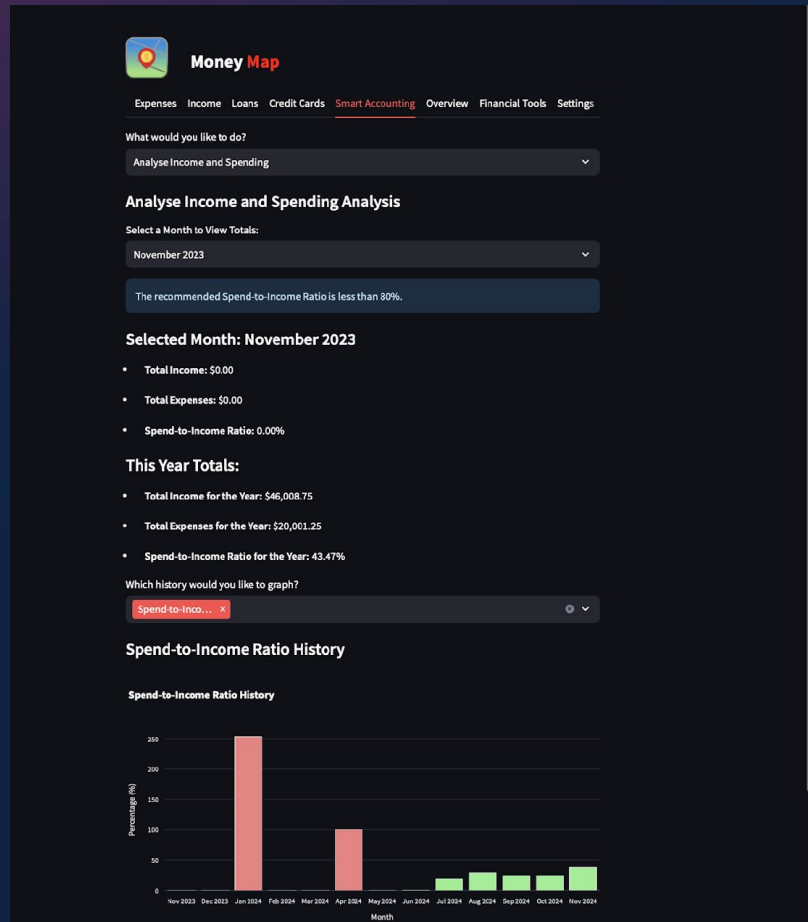
Logged in User Credit Card Tab



The screenshot shows the 'Manage Credit Cards' page in the Money Map application. The page has a dark theme with a sidebar on the left containing navigation links: Checking, Savings, Expenses, Income, Loans, Credit Cards (highlighted), Smart Accounting, Overview, and Financial. The main content area is titled 'Manage Credit Cards' and includes a dropdown menu 'Would you like to?' with 'Add new Credit Card' selected. Below this is the 'Add New Credit Card' section with the following fields: 'Credit Card Name' (text input), 'Enter Total Balance' (numeric input with 0.00 and +/- buttons), 'Statement Balance' (numeric input with 0.00 and +/- buttons), 'Statement Date' (date input with 2024/11/28), 'Statement Due Date' (date input with 2024/11/28), 'Minimum Due' (numeric input with 0.00 and +/- buttons), 'Regular Interest Rate (APR%)' (numeric input with 0.00 and +/- buttons), and checkboxes for 'Promotional Interest Rate (APR%)' and 'Annual Fee'. A 'Save Credit Card' button is at the bottom.

- Logged in Users can
 - Create Credit Cards with a Name, Statement Date, Total balance, Statement Balance, Statement Date, Statement due date, Minimum Due, Regular APR, Annual Fee if applicable, and Promo APR if applicable
 - Edit existing Cards
 - Delete existing Cards

Logged in User Smart Accounting Tab



- Logged in Users can view graphs and information related to APR, Income and Spending, and Goals
- Data for graphs can be designated from different datasets

Logged in User Overview Tab

- Logged in Users can view a data table for each financial type or all types at once
- Totals are provided for each table

 **Money Map**

Checking Savings Expenses Income Loans Credit Cards Smart Accounting Overview Finance

Choose what information you would like to view

[View All](#)

Checking Accounts

Account Name	Amount	Has Fee?	Fee Period	Fee Amount	Has Interest?	APY%	Compounding Type
1 WF	\$25.45	No	None	None	No	None	None
2 WF	0.00	No	None	None	No	None	None
3 Test1	10,000	Yes	Yearly	10.0	Yes	4.0	Annual

Total Amount in Checking: \$11,900.45

Savings Accounts

Account Name	Amount	Has Fee?	Fee Period	Fee Amount	Has Interest?	APY%	Compounding Type
1 WF	1,500	Yes	Monthly	5.0	Yes	8.0	Monthly
2 BA	500	No	None	None	No	None	None

Total Amount in Savings: \$2,400.00

Expenses for This Month

Expense Name	Amount	Recurring?	Period	Date Created
1 Iphone	200.00	No	Monthly	2024-11-19
2 Tesla	900.00	Yes	Monthly	2024-11-01
3 Netflix	30.00	Yes	Monthly	2024-06-01
4 Car Wash	225.00	Yes	Weekly	2024-07-05

Total Amount Expenses for This Month: \$1,405.00

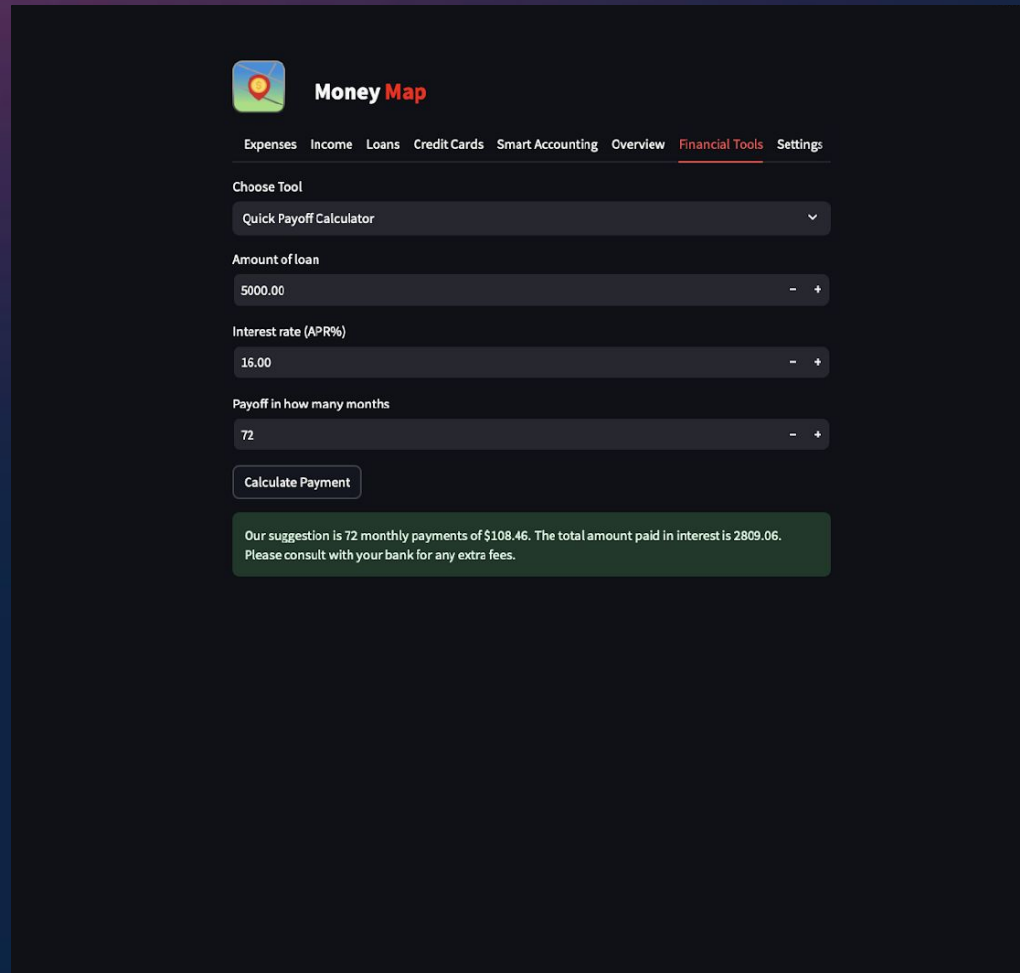
Expenses for This Year

Expense Name	Amount	Recurring?	Period	Date Created
1 Iphone	200	No	None	2024-11-19
2 Tesla	900	Yes	Monthly	2024-11-01
3 Netflix	180	Yes	Monthly	2024-06-01
4 Car Wash	900	Yes	Weekly	2024-07-05
5 Test	10,000	No	None	2024-01-01
6 Test1	3,945.25	No	None	2024-04-22

Total Amount of Expenses for This Year: \$16,286.25

Income for This Month

Logged in User Financial Tools



The screenshot shows the 'Money Map' application interface. At the top, there is a navigation bar with the following tabs: Expenses, Income, Loans, Credit Cards, Smart Accounting, Overview, **Financial Tools** (highlighted), and Settings. Below the navigation bar, the 'Choose Tool' dropdown menu is set to 'Quick Payoff Calculator'. The input fields are as follows:

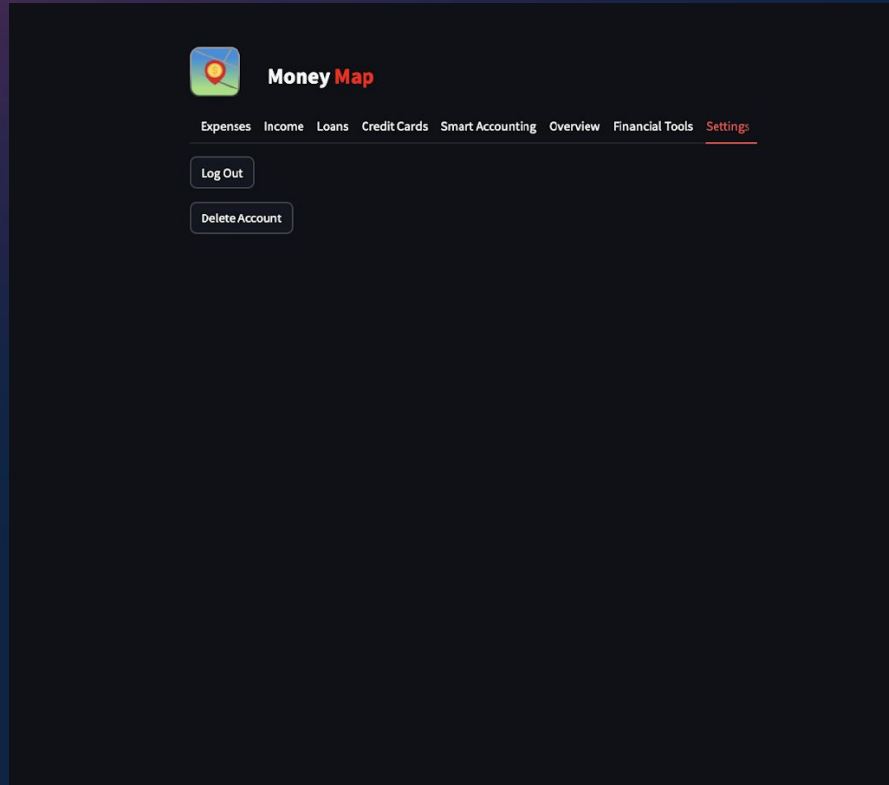
- Amount of loan:** 5000.00
- Interest rate (APR%):** 16.00
- Payoff in how many months:** 72

A 'Calculate Payment' button is located below the input fields. The result is displayed in a green box at the bottom:

Our suggestion is 72 monthly payments of \$108.46. The total amount paid in interest is 2809.06. Please consult with your bank for any extra fees.

- Logged in Users can calculate loan payoffs, exchange currency, loan APR, and Interest Return

Logged in User Settings



- Logged in Users can logout or delete account