

Objective: To create a loan calculator which allows the user to input the loan amount and loan duration and accordingly displays the interest rate, monthly payment and the amount they need to pay.

UI design:

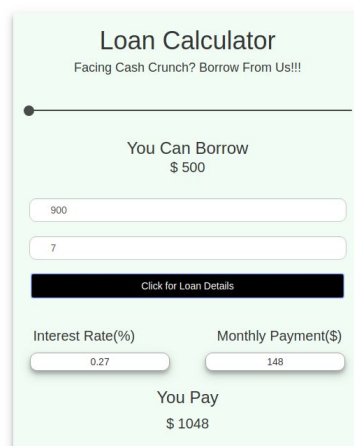
- Initially placed a slider for the user to choose the amount, they can borrow. (Kept the limit between \$ 500 and 5000 as specified).
- Thereafter, placed input boxes for the user to enter the amount and duration for which they desired the loan.
- This was proceeded by placing a click button which in turn would call the test API provided, <https://ftl-frontend-test.herokuapp.com/interest?amount=900&numMonths=7>
- Finally, the result from the API was displayed on the fields, interest rate, monthly payment and the amount they need to pay, respectively.

API details displayed using Ajax:

- The first step was to split the provided API into static and dynamic contents.
- Based on that, ajax call was made and the result obtained was displayed in the desired fields.
- The final amount that the user needed to pay involved summing up the principal payment amount and the monthly payment amount, which was finally displayed with the title “You Pay”, so that the users would know the total amount they need to pay without interacting again.

Framework used:

- Keeping in mind the time constraint, used bootstrap to design the app, so that focus could be given on the functionalities.
- Also, have kept the design very basic and minimal.



The screenshot shows a web form titled "Loan Calculator" with the subtitle "Facing Cash Crunch? Borrow From Us!!!". It features a slider for "You Can Borrow" with a range from \$500 to \$5000, currently set at 900. Below the slider are input fields for "numMonths" (set to 7) and a "Click for Loan Details" button. The results section displays "Interest Rate(%)" as 0.27, "Monthly Payment(\$)" as 148, and "You Pay" as \$1048.

Field	Value
You Can Borrow	\$ 900
numMonths	7
Interest Rate(%)	0.27
Monthly Payment(\$)	148
You Pay	\$ 1048

