Index.html

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<link href='http://fonts.googleapis.com/css?family=Roboto:400,300,700' rel='stylesheet' type='text/css'>

<link href="css/styles.css" rel="stylesheet" type="text/css">

</head>

<body>

<header>

<h1>Mortgage Calculator</h1>

</header>

<div class="content">

<div class="form">

<div>

<label>Principal:</label>

<input type="text" id="principal" value="200000"/>

</div>

<div>

<label>Years:</label>

<input type="text" id="years" value="30"/>

</div>

<div>

<label htmlFor="rate">Rate:</label>

<input type="text" id="rate" value="5.0"/>

</div>

<div>

<label htmlFor="calcBtn"></label>

<button id="calcBtn">Calculate</button>

</div>

</div>

<h2>Monthly Payment: <span id="monthlyPayment" class="currency"></span></h2>

<h3>Monthly Rate: <span id="monthlyRate"></span></h3>

<table>

<thead>

<tr>

<th>Year</th>

<th class="principal">Principal</th>

<th class="stretch"></th>

<th class="interest">Interest</th>

<th>Balance</th>

</tr>

</thead>

<tbody id="amortization"></tbody>

</table>

</div>

<script src="build/main.bundle.js"></script>

</body>

</html>

Main.js

import \* as mortgage from './mortgage';

document.getElementById('calcBtn').addEventListener('click', () => {

let principal = document.getElementById("principal").value;

let years = document.getElementById("years").value;

let rate = document.getElementById("rate").value;

// var mortgage = calculateMonthlyPayment(principal, years, rate);

// var monthlyPayment = mortgage.monthlyPayment;

// var monthlyRate = mortgage.monthlyRate;

// use this instead

//let {monthlyPayment, monthlyRate} = calculateMonthlyPayment(principal, years, rate);

/\* let {monthlyPayment, monthlyRate, amortization} = calculateAmortization(principal, years, rate);\*/

let {monthlyPayment, monthlyRate, amortization} =

mortgage.calculateAmortization(principal, years, rate);

//let monthlyPayment = calculateMonthlyPayment(principal, years, rate);

document.getElementById("monthlyPayment").innerHTML = monthlyPayment.toFixed(2);

document.getElementById("monthlyRate").innerHTML = (monthlyRate \* 100).toFixed(2);

amortization.forEach(month => console.log(month));

let html = "";

amortization.forEach((year, index) => html += `

<tr>

<td>${index + 1}</td>

<td class="currency">${Math.round(year.principalY)}</td>

<td class="stretch">

<div class="flex">

<div class="bar principal"

style="flex:${year.principalY};-webkit-flex:${year.principalY}">

</div>

<div class="bar interest"

style="flex:${year.interestY};-webkit-flex:${year.interestY}">

</div>

</div>

</td>

<td class="currency left">${Math.round(year.interestY)}</td>

<td class="currency">${Math.round(year.balance)}</td>

</tr>

`);

document.getElementById("amortization").innerHTML = html;

});