Name

In the Black or Repay Away

MVP

A user will have the ability to

* create an account, with password login
* add/edit details to each created account (name, balance, minimum payment, interest rate)
* see how long it will take to pay off individual accounts based on minimum payment

Reaches

With time, I’d like to include the following features

* ability to manipulate duration of repayment period for an individual account by adjusting the monthly payment
* ability to manipulate monthly payment for an individual account by adjusting the duration of repayment period
* ability to see repayment period for a group of selected individual accounts
* ability to send user updates/reminders at certain milestones in repayment process

User Stories

1. I am a 31-year-old, single male that is contemplating the purchase of a used vehicle. I cannot currently afford the $400/month car payment because of what I pay on credit cards. I’d like to know when I can get my debt paid down enough where I could afford the car payment.
2. We are a married couple that just learned we are about to have our first child. We strive to live within our means, but have accumulated a small amount of credit card debt. We’d like to have our credit cards paid off before the baby arrives and want to understand how much it’ll cost each month to do that.

Wireframes

IN THE BLACK

Signup or Login

Enter email

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IN THE BLACK

Option 2 (for login)

Enter password

Option 1 (for setup)

First Name

Last Name

Password

Password

IN THE BLACK

Account Setup

Name:

Balance:

Interest Rate:

Minimum Payment:

IN THE BLACK

Repayment

Current Current

Min Pymt Balance Payoff Date

Acct 1:

Acct 2:

Acct 3:

Acct 4:

Technologies

Front End: React and D3

Back End: Ruby on Rails, Devise, Postgresql

Timeline

Monday: Back end API (ruby on rails)

Tuesday: Back end

Wednesday: Front end

Thursday: Front end

Friday: Integrate front end with back end

Saturday: Styling and cleanup

Sunday: Styling and cleanup

Challenges

I am most concerned about the math aspect of this project (ie, calculating payoff timeline) because I have not leveraged complicated mathematical calculations in code before.