

Databases

• Login DATA

{	username	: string	}
	password	: hash * (authentication)	
	ID	: unique secure login	

• User Data

{	ID : From Login DB	}
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ID : From Login DB
 Total Debt : Float
 Projected salary : Float ★
 Pay period :
 Payment Amt :
 Graduation Term:

Front End Design

→ LOAN#1



Add a loan!

each update sends
to DB



(Name)	optional
Loan Amt	
Loan Interest	
Sub/unsub	

* Select
BOX

Grad? when? ok:

If I pay \$ ¹⁰⁰ every month, I will pay
off my loans in months.

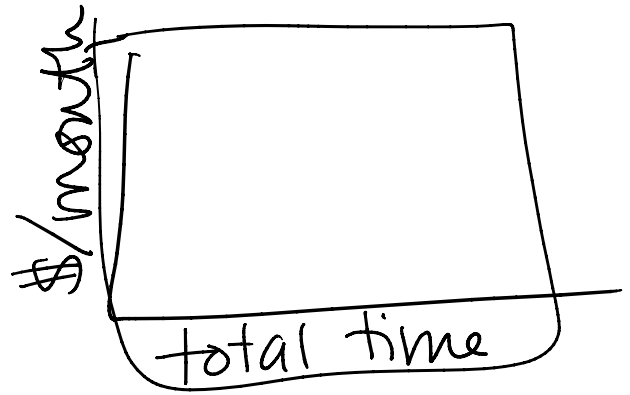
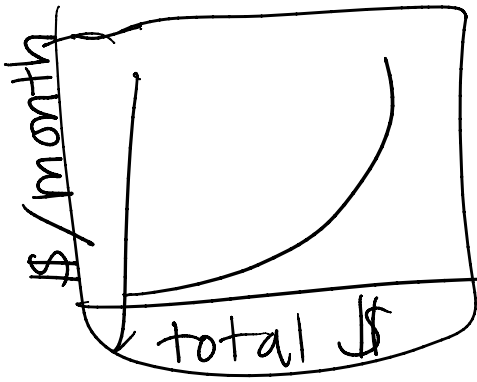
↑ automatic!

In total you will pay ! ;)

Graphs



Graphs



Logged In

DB $\begin{Bmatrix} x \\ y \\ z \end{Bmatrix}$

Y

N

→ create JSON

$\begin{Bmatrix} x \\ y \\ z \end{Bmatrix}$

call

call $\text{calc}(x, y, z)$

call $\text{calc}(x, y, z)$