

Team POGGERS -- Kelvin Ng (PM), Tanzim Elahi, Kevin Li, Justin Shaw

SoftDev1 pd1

P02 -- The End

2020-01-02

Cookie Clicker

API(s) used:

- [speedrun.com REST API](#) (no API key required - just don't spam it with requests, it does time you out for a few minutes for doing so)

Minimum Viable Product

We will be recreating the Cookie Clicker game with the skills we've learned over the course of this semester. This project will minimally have features such as:

- Making an account to save progress
- Registering that the cookie on screen has been clicked and recording it into the database
- A shop that can convert cookie clicks into perks (such as auto clickers) - those perks will also be stored in some way.
 - Maybe different backgrounds for the website? Different fonts?
- The cookie clicker leaderboards will be retrieved via the speedrun.com API from here: [https://www.speedrun.com/cclicker#1 Million Cookies](https://www.speedrun.com/cclicker#1_Million_Cookies)

Extra Stuff

- Recording data
 - Milestones/achievements (e.g. "1000 Cookies Earned!")
 - Time and date of said achievements (database layout will get even more complicated though)
 - The time it took to achieve said achievements after creating your account (same as above)
- Track clicks per second
- Timed trials (30s, 1min, 2min) - no perks allowed in those games.

Bootstrap or Foundation?

We will be using Bootstrap for our front-end styling purposes. The majority of the group is familiar with Bootstrap, and as such we believe our project will look nicer using it compared to using Foundation.

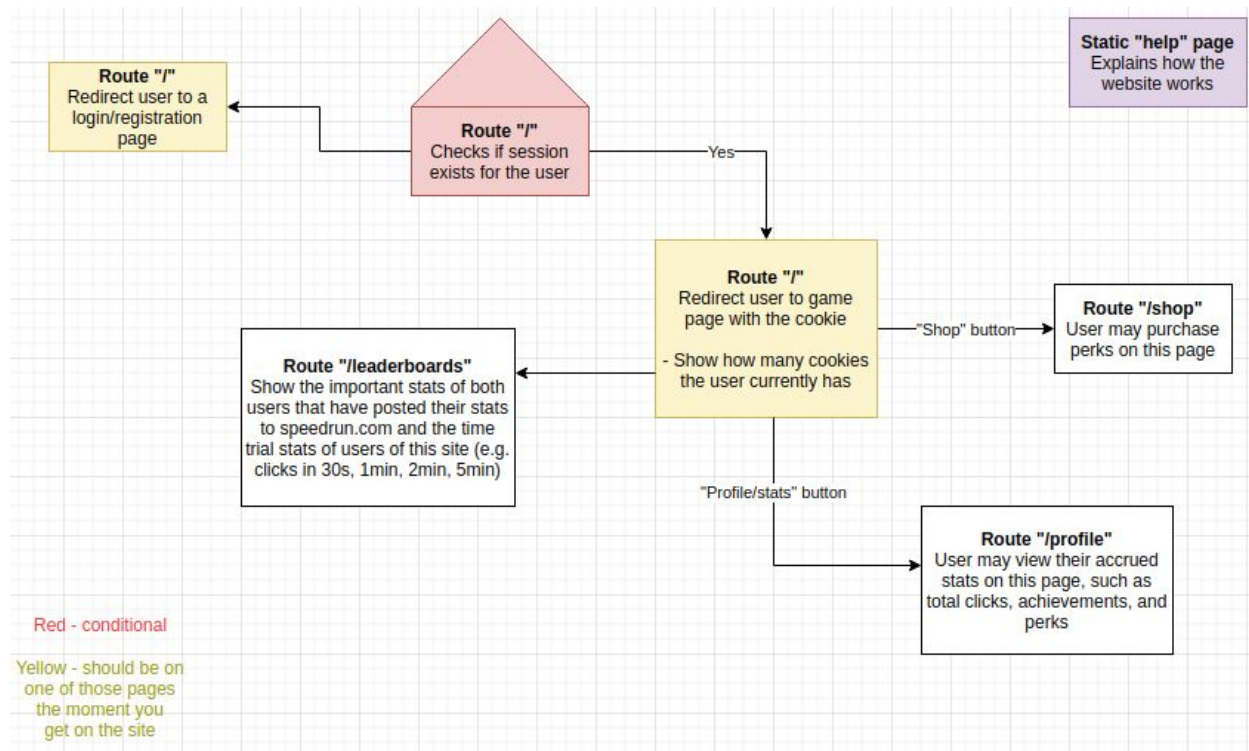
Task Division

- Kelvin Ng: Project Manager
- Tanzim Elahi
 - Backend (database and accounts)
 - JavaScript necessary for clicking the cookie and purchasing perks
- Kevin Li
 - Interfacing with the API to retrieve the necessary data
 - Backend interactions with the frontend cookie clicker
- Justin Shaw
 - JavaScript necessary for clicking the cookie and purchasing perks
 - frontend (templates, routes, styling with Bootstrap)

Component Map

Site Map

<https://drive.google.com/file/d/1OT7McKfBYJeqV-S1p1pyWjG-XrJa73J-/view?usp=sharing>



Database Layout

Accounts table

Username (TEXT)	Password (TEXT)	Currency (INT)	Total clicks (INT)	Perks earned (TEXT) ← IDs	Achievements earned (TEXT) ← IDs	1min trial time (INT) ← clicks in that time
"pollsmor"	"e4tjEYrN23GLgKUGkFL9nNEtdisXBB"	2964	9001	"0, 4, 7"	"0"	0 (never tried)
"pogchamp"	"UwU"	1235	1337	"0, 1, 2, 6, 7"	"0, 1"	69
"nani"	"AYAYAcutechat"	69420	69420	"1, 6"	"0, 1, 2"	600

Perks table

ID (INT)	Perk (TEXT)	Cost (INT) ← in clicks
0	Autoclicker 1	50
1	Autoclicker 2	200
2	Autoclicker 3	800
3	Autoclicker 4	4000
4	Custom background 1	500
5	Custom background 2	500
6	Custom font 1	2000
7	Custom font 2	2000
...	

Achievements table

ID (INT)	Name (TEXT)	Description (TEXT)
0	"5000 Clicks!"	"This achievement is for you accruing 5000 clicks on this site."
1	"Speed Demon!"	"This achievement is for you clicking the cookie more than 100 times in a minute."
2	"Super-Speed Demon!"	"This achievement is for you clicking the cookie more than 100 times in 20 seconds".
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