

COINTEGRATION

Team & Mentors

Rohaid | Class of 2021



Christina | Class of 2022



Justin | Class of 2020



Nathan | Class of 2022



Mentors: Jason Yu, Visrut Sudhakar



The Client & Problem



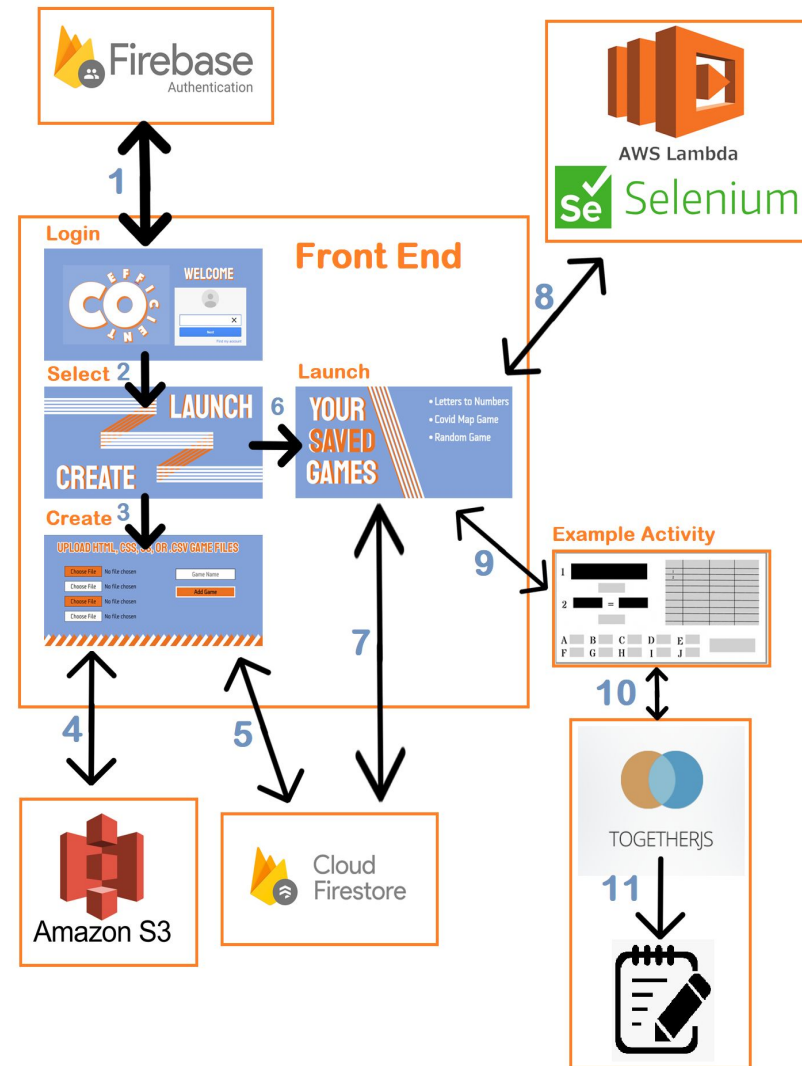
Dr. Peter Halpin is an Associate Professor in statistics whose research focuses on using statistical methods to address problems in educational practice.

With COVID-19 unprecedentedly impacting education, it is now more important than ever to facilitate engaging interactions between students via technology. Our project addresses the following related questions:

- How can we make sure each student can access the assigned activity on their computer?
- How can we divide students into groups without physically doing so?
- How can we emulate the experience of working together when everyone is geographically distributed?
 - TogetherJS

How Coefficient Works

- Instructor creates web activity with HTML and JavaScript.
- Instructor logs in and uploads activity.
- Activity becomes hosted as a website with added TogetherJS functionality.
- Instructor can see list of activities they have published.
- Instructor generates activity URLs with unique sessions on-demand.
- Students visit URL for their group and can interact together.
- Information about TJS interactions is logged; instructor can use for research..



Letters to Numbers Demo

Letters to Numbers

How To Play

Try to guess the number value of each letter in 10 tries!

Step 1: Enter a sentence equation into the calculator!

Step 2: Try to guess a single letter value!

Step 3: Repeat 1-2 or try to guess the final code!

Start

Coefficient Demo



What's Next?

- Transferring ownership of Github repository, Amazon, and Firebase accounts to Peter.
- Allowing for more front end options
 - More than four files being uploaded
 - Better CORS functionality
 - Together JS parser
- Additional exercises
 - Covid-19 interactive maps



Reflections

Communication is key

Don't get overly attached to a particular plan

This was not only a project, it was also a learning experience

Contact

Christina Alperi

<https://www.linkedin.com/in/christinaalperi/>

<https://github.com/christinaalperi>

(704) 604-5880

cmalperi@live.unc.edu

Nathan Mullaney

<http://www.linkedin.com/in/nathan-mullaney>

<https://github.com/Nahtan1313>

(480) 466-6611

nahtan@live.unc.edu

Rohaid Bakheet

<https://www.linkedin.com/in/rohaid-bakheet/>

<https://github.com/rohaid-bakh>

(336) 358-6112

rohaidb@live.unc.edu

Justin Do

<http://www.linkedin.com/in/justindo/>

<https://github.com/justinleedo>

(919) 612-8163

justindo@live.unc.edu