

Cello Exercise Index: Deliverable 3 Report

Team TBD

Alan, Rachel, Rebecca, Eren,
Mark, Franklin, Benjamin





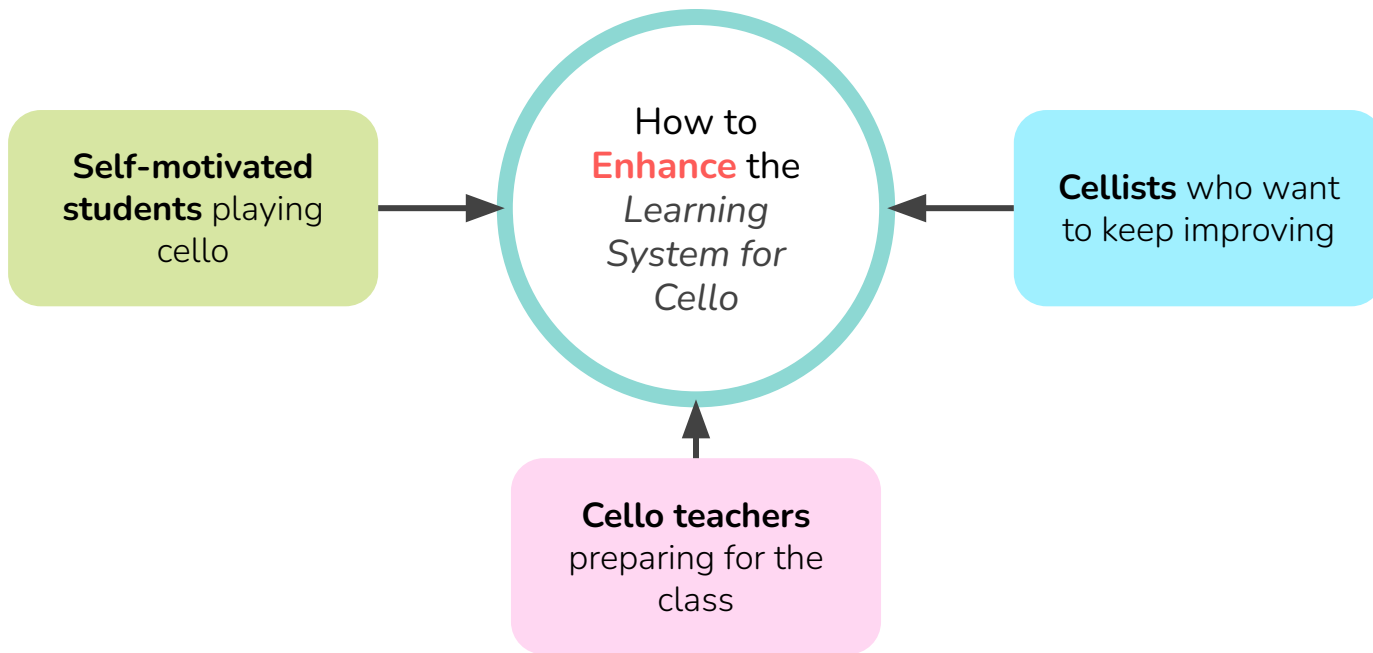
Our Partner:

Allison Rich

(University of Toronto Faculty of Music)



Problem to Solve





Solution

- Envisioned a website like Duolingo which is easy for users to navigate
- Used a copy of exercises and their intentions from the partner

How it helps users

- Tags that allow players to filter
- Easier for beginners to search
- Allows cellists to look for similar exercises
- Lets teachers diversify the exercises they show

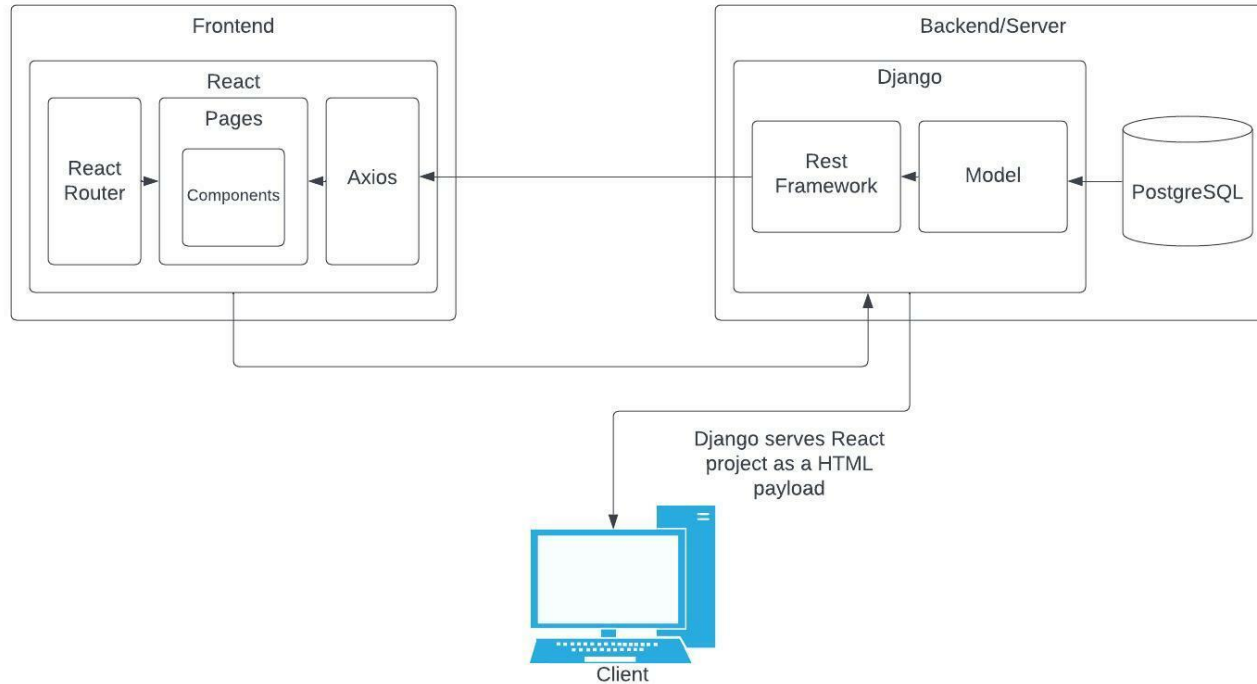
Demo!



Tech Stack



Application Architecture





How to access

Access:

- Live site: <https://cello-exercise-index.herokuapp.com/>
- Automatic deployment from GitHub Actions
- Our partner will be able to access the admin panel on the site with credentials we provided to them with a guide for using it (will be done by D4)

Handoff:

- Our partner has the credentials for Heroku where the deployed product is hosted
- We will give our partner admin access to a repository on GitHub containing the code, including developer instructions for future developers who may work on this project
 - API Documentation: <https://cello-exercise-index.herokuapp.com/swagger/>



Team's process/Workflow

- Setting goals and assigning tasks during **weekly meetings**.
- Using **Trello** board to keep track of everyone's progress.
- Communication through a **Discord server**
 - Channels for important links, partner meetings, frontend, backend, and Github updates, etc.
- **Asking** questions, **discussing** different approaches, and **coordinating** helps.
- Multiple member **reviewing** pull requests before merging.



Key Learnings

Changes Midway

- **Flexible** Frontend & Backend teams based on different needs during different phases
- Made slight changes to the database -adding subtags

Learnings

- Database manipulation
- Web programming
- Importance of Communication
- Git usage

Improvement

- Use of Trello



Contribution Report

Name	Contribution
Alan	Frontend (Creating pages & components & integrating API requests)
Rachel	Coordinating meeting (for group & partner), Frontend (Creating pages & components), Backend (API Request)
Rebecca	Database conversion (spreadsheet -> Postgres), documentation, backend API filtering/searching and additional endpoints
Eren	Backend (API filtering, edit exercise)
Mark	Frontend (Creating pages, components & infrastructure for API requests)
Franklin	Frontend (Infrastructure for API requests)
Benjamin	Backend (API Creating models/serializers/views, edit exercise)

Thank you!

