



EE461L Software Lab Project

Team A13 - Kaylee Trevino, Michelle Wen, Andrew Wu, Christopher Saenz

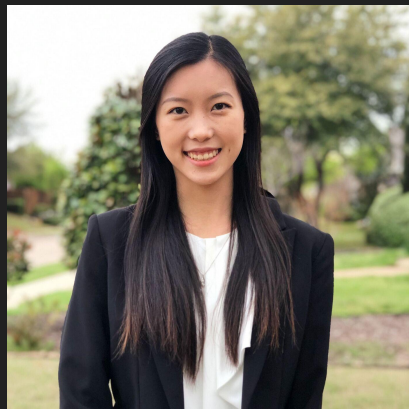
Team A13



Kaylee Trevino

Senior

- Youtube Data API framework for Channels model
- Search functionality
- Backend refactoring



Michelle Wen

Junior

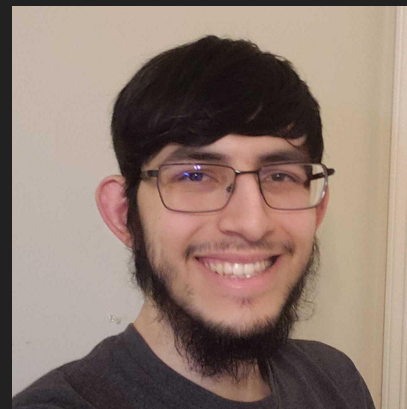
- Google Custom Search API and wger API framework for Exercises model
- Website UI/UX Design



Andy Wu

Junior

- MongoDB, backend, and Flask infrastructure
- Code integration
- Filtering/Sorting functionality



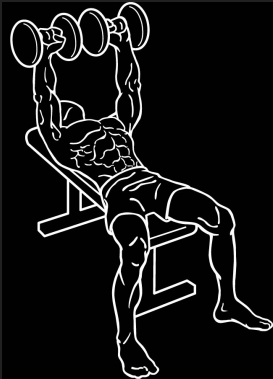
Christopher Saenz

Senior

- eBay Browse API framework for Equipment model
- Sorting functionality
- Testing with test case suites

FitHub Motivation and Purpose

Provide an abundance of resources and opportunities for people to improve their fitness and strive for a more active lifestyle by providing detailed exercise-related information



Model Pages - Exercises, Equipment, Youtube Channels

Exercises: Category, Equipment, Muscles, etc.

Equipment: Price, Category, Seller Location, Ebay Link

Youtube Channels: Description, Subscriber Count, Views, Video Count, etc.

All 3 model pages have:

- Rich information and attributes
- Related links to all other models
- Filtering, Sorting, and Searching across the current results

What we did well

- REST APIs usage
- Slack and GitHub communication
- Backend functionality
- Backend runtime
- Frontend UI/design

What to improve

- Testing after deployment
- Lack of pair programming
- Image/website stability
- Increase variety and number of instances
- Streamlining development

What we learned

- GitHub Workflow
- Unit and Selenium testing
- Filtering, searching, and sorting
- Refactoring with design patterns
- Combining many different languages into one project

FitHub DEMO