

Frontend Assessment - Student Profiles

The goal of this assessment is to replicate the frontend application below as close as possible. You are allowed to use any frontend framework (React.js, Vue.js, etc.) or use plain Javascript, HTML, and CSS. **We recommend using a frontend framework as the later parts of the assessment will be very difficult without it.**

If you notice something is not working (like the API, or any of the links in this document), please contact hello@hatchways.io.

This assessment will be evaluated based on the following criteria:

- Correctness: Is your solution complete and does it pass different test cases?
- Code Organization, Readability, & Maintainability: Is your code easy to read and well organized?
- Code Performance: Is your code efficient? Did you use appropriate data structures?
- Best Practices: Did you utilize good programming practices (write unit tests, avoid anti-patterns)? Did you show a good grasp of your language/framework of choice?

We use the [following rubric](#) to evaluate your submission. **Please note that if your submission does not attempt to complete all of the requirements, we will be unable to provide feedback on it.**

The assessment is broken into 5 parts to make it easier to complete.

You just need to submit one version with as much functionality as you can. Once you complete the assessment, you will need to push your changes to the GitHub repository created for you.

Public Repositories

Do not change the repository to public. We understand that you may want to share projects you have worked on, but many hours go into developing our tools so we can provide a fair skills evaluation. Sharing this assessment online impacts our ability to judge candidates fairly and equitably.

Part 1

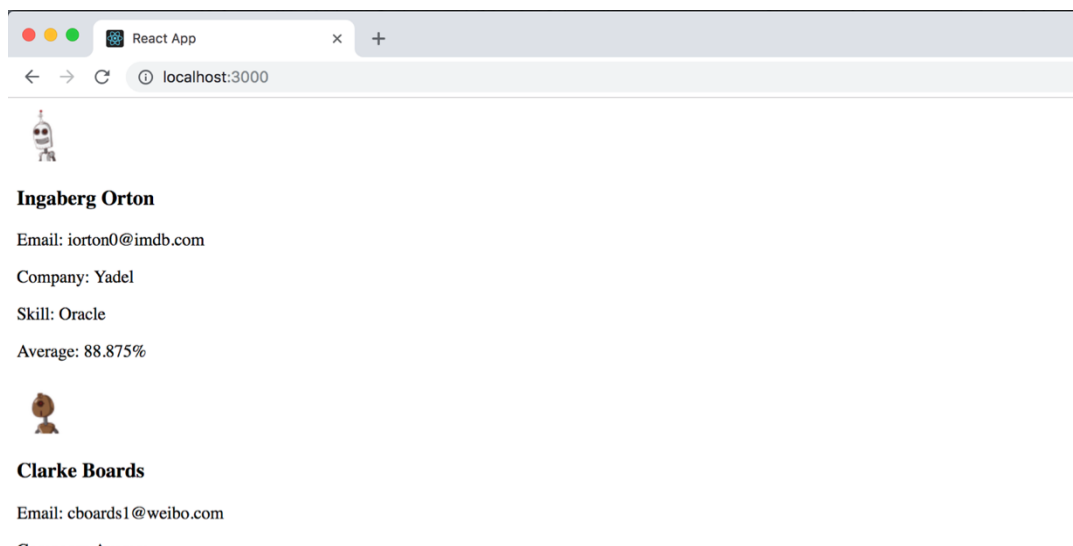
The first step of the assignment is to fetch data from this public JSON API, and present the information on the screen. The route to fetch the data is:

method: **GET**

url: <https://api.hatchways.io/assessment/students>

You do not need any credentials to access the URL above. It should also have CORS set up, so you should be able to access the data from the browser.

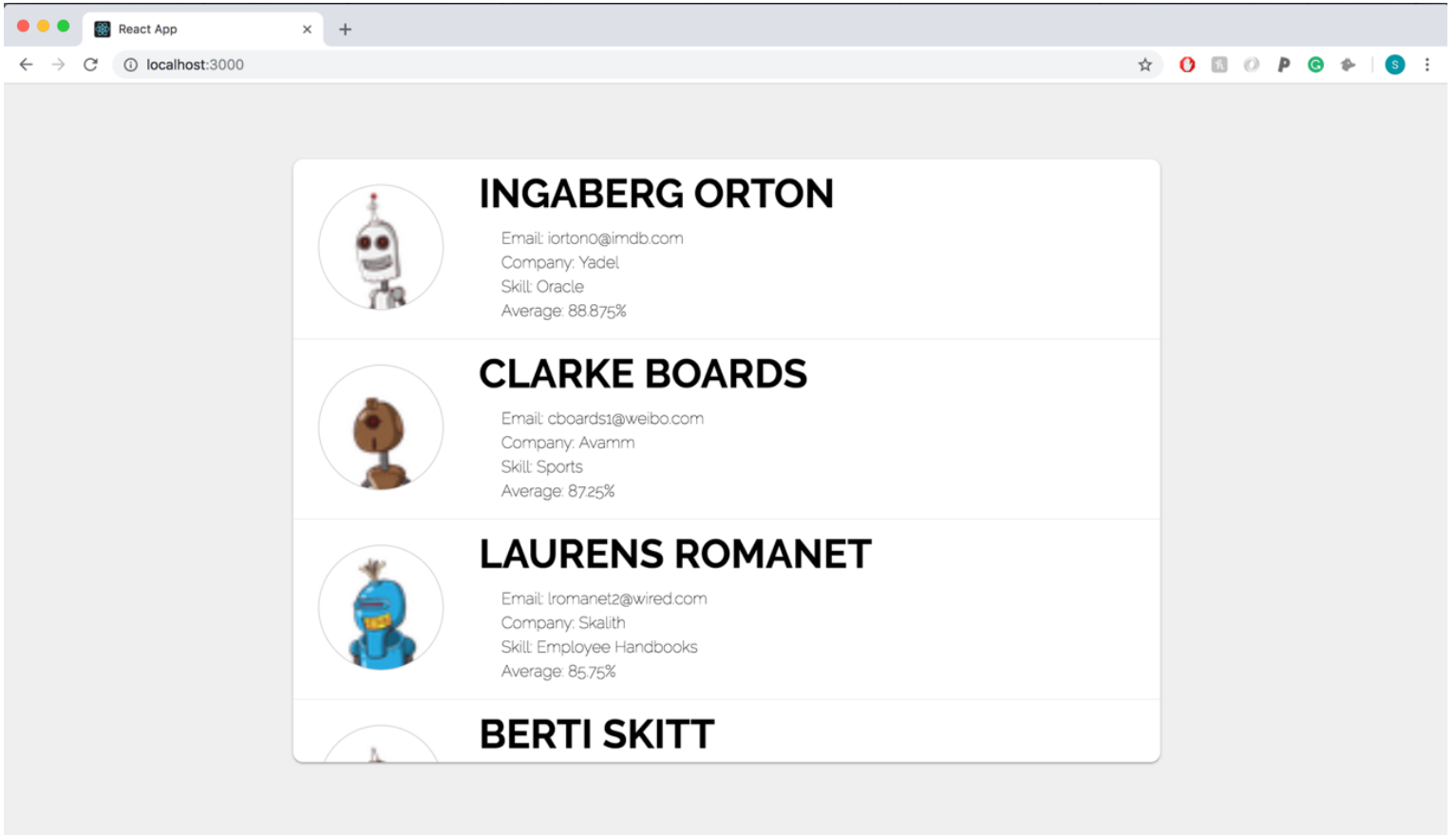
The goal of this part is to present the data on the screen. Do not worry about styling as you will be doing that in a future step.



Part 2


The second step of the assignment is to style the web page. Replicate the style of the image and gif below as best as you can. The font used in the image is [Raleway](#).

Below is a picture of what it should like, and [here is a link to a video](#) to show you how the scrolling should work.




Part 3


In this part, you are going to add a text input, where a user can filter the list of students by their name (including full name!). Below are a few images of what this should look like. [Here is a video of the filtering in action.](#)




INGABERG ORTON
Email: iorton0@imdb.com
Company: Yadel
Skill: Oracle
Average: 88.875%




CLARKE BOARDS
Email: cboards1@weibo.com
Company: Avamm
Skill: Sports
Average: 87.25%




LAURENS ROMANET
Email: lromanet2@wired.com
Company: Skalith
Skill: Employee Handbooks
Average: 85.75%




REDT SKITT




LAURENS ROMANET
Email: lromanet2@wired.com
Company: Skalith
Skill: Employee Handbooks
Average: 85.75%



ROBBYN CORYNDON
Email: rcoryndon5@cargocollective.com
Company: Twinte
Skill: Cinema 4D
Average: 89.875%



RORY IBAN
Email: riban8@hubpages.com
Company: Fadeo
Skill: EE4
Average: 87.5%

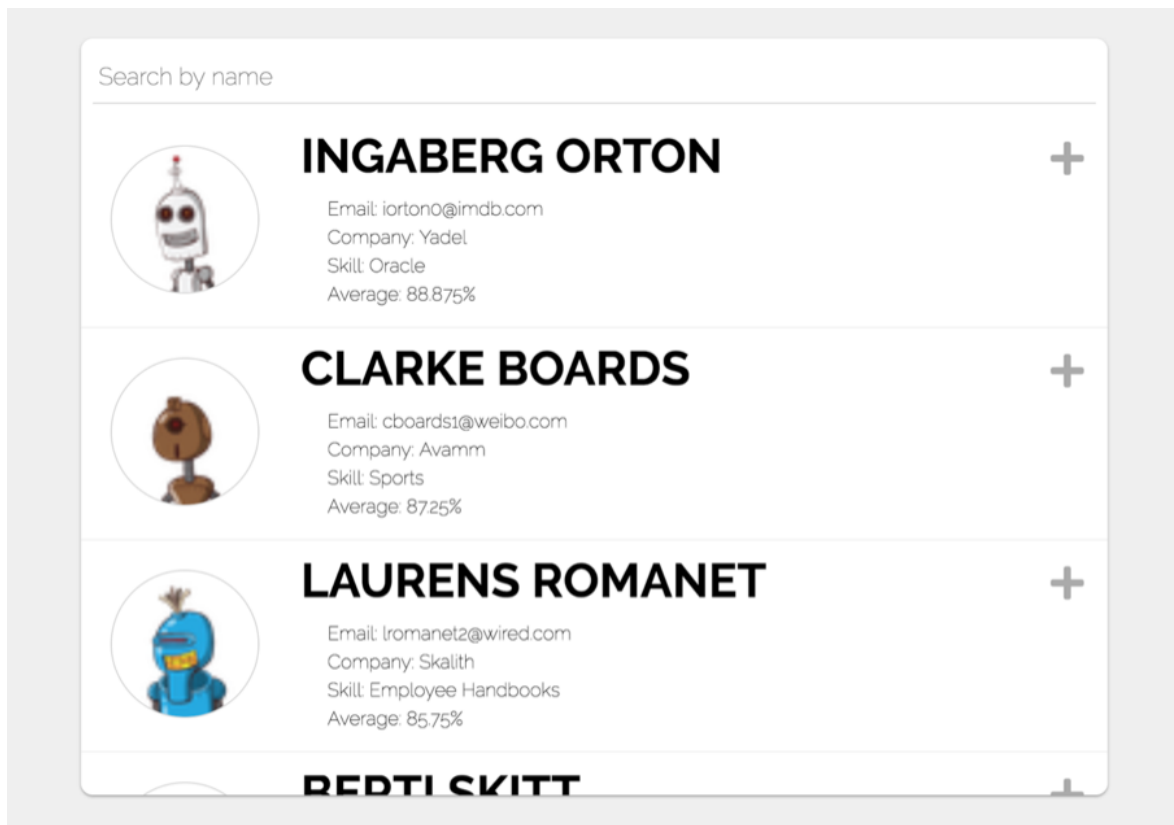


LENNA BOYBY


Part 4

In this part, you are going to make each student have an expandable list view, so that all of their test scores may be viewed. See the images below for what the expanded view should look like. See the images below for what the view should look like when expanded. [Here is a video as well of what it should look like.](#)

Required: the plus should be an HTML button, and if the button is clicked on, the expansion will toggle



Search by name



INGABERG ORTON

Email: iorton0@imdb.com

Company: Yadel

Skill: Oracle

Average: 88.875%

Test 1: 78%

Test 2: 100%

Test 3: 92%

Test 4: 86%

Test 5: 89%

Test 6: 88%

Test 7: 91%

Test 8: 87%

CLARKE BOARDS

Email: cboards1@weibo.com

Company: Avamm

Skill: Sports

Average: 87.25%


L AURENS ROMANET

Part 5

Finally, you will add a text input field to add tags for a specific student. Here is what it looks like (adding a tag called “new tag”):

Search by name

Search by tag



INGABERG ORTON

Email: iorton0@imdb.com

Company: Yadel

Skill: Oracle

Average: 88.875%

new tag

Add a tag

CLARKE BOARDS

Email: cboards1@weibo.com

Company: Avamm

Skill: Sports

Average: 87.25%

Add a tag

You will then add another search bar to search for students based on tags. A strong submission will have this functionality:

- If a name is entered in the search by name input, and a tag is entered in the search by tag input, results that include both the name and tag should be shown.

[Here is a video of the tag searching in action.](#)

The next page contains an example of filtering by tag and name at the same time as well as submission instructions.

The screenshot shows a search interface with two input fields at the top. The first field contains the text 'ro' and the second field contains 'ta'. Below these fields, there are two student profile cards. Each card features a circular profile picture of a robot-like character, a plus sign in the top right corner, and a list of details: name, email, company, skill, and average score. Below the details is a tag button and an 'Add a tag' input field.

Name	Email	Company	Skill	Average	Tag
LENNA ROXBY	lroxby9@cam.ac.uk	Yakidoo	LPS	82.875%	tag10
ROSALYND FITZALAN	rfitzalana@parallels.com	Photolist	Geography	90.25%	tag20

Submission Details

Once you complete the assessment, push your changes to the GitHub repository created for you. Changes should be pushed to or merged into the main branch.

Then, visit the Hatchways dashboard and click “Mark as Done” for the assessment to notify us that the assessment has been completed and is ready to be reviewed.