Frontend Assessment - Work Orders

The goal of this assessment is to build a front-end application using the following specifications. You are allowed to use any front-end framework (React.js, Angular.js, Vue.js, or use plain Javascript, HTML, and CSS).

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?
- Completion speed: A fast completion time comparable to the completeness of your solution. This is the least important criteria.

We use the following rubric to evaluate your submission.

API

You have access to the following APIs:

Request:

Route: https://api.hatchways.io/assessment/work_orders
Method: GET

Response:

Body:

```
{
    "orders": [{
        "id": "480cb439",
        "name": "Worker Order Name",
        "description": "This is a description for the work order...",
        "deadline": 1558249206,   #  epoch time in seconds
        "workerId": 4
      }, ...
   ]
}
```

Request:

Route: https://api.hatchways.io/assessment/workers/**<worker_id>**

Method: GET

Parameters:

worker_id: A url parameter that corresponds to the worker id

Response:

Body:


```
{
    "worker": {
        "id": 4,
        "name": "Ashien Galier",
        "email": "agalier4@wordify.com",
        "companyName": "Wordify",
        "image":  "http://dummyimage.com/250x250.jpg/ff4444/ffffff"
    }
}
```


The first API returns all the work orders in the database. Each work order has:

- id (String) - a unique id of the order
- name (String) - the name of the order
- description (String) - a short description about the order
- deadline (integer) - the deadline for the order in epoch time (seconds)
- workerId (integer) - the worker id that is responsible for this worker order

The second API returns information about a worker given their id. Each worker has:

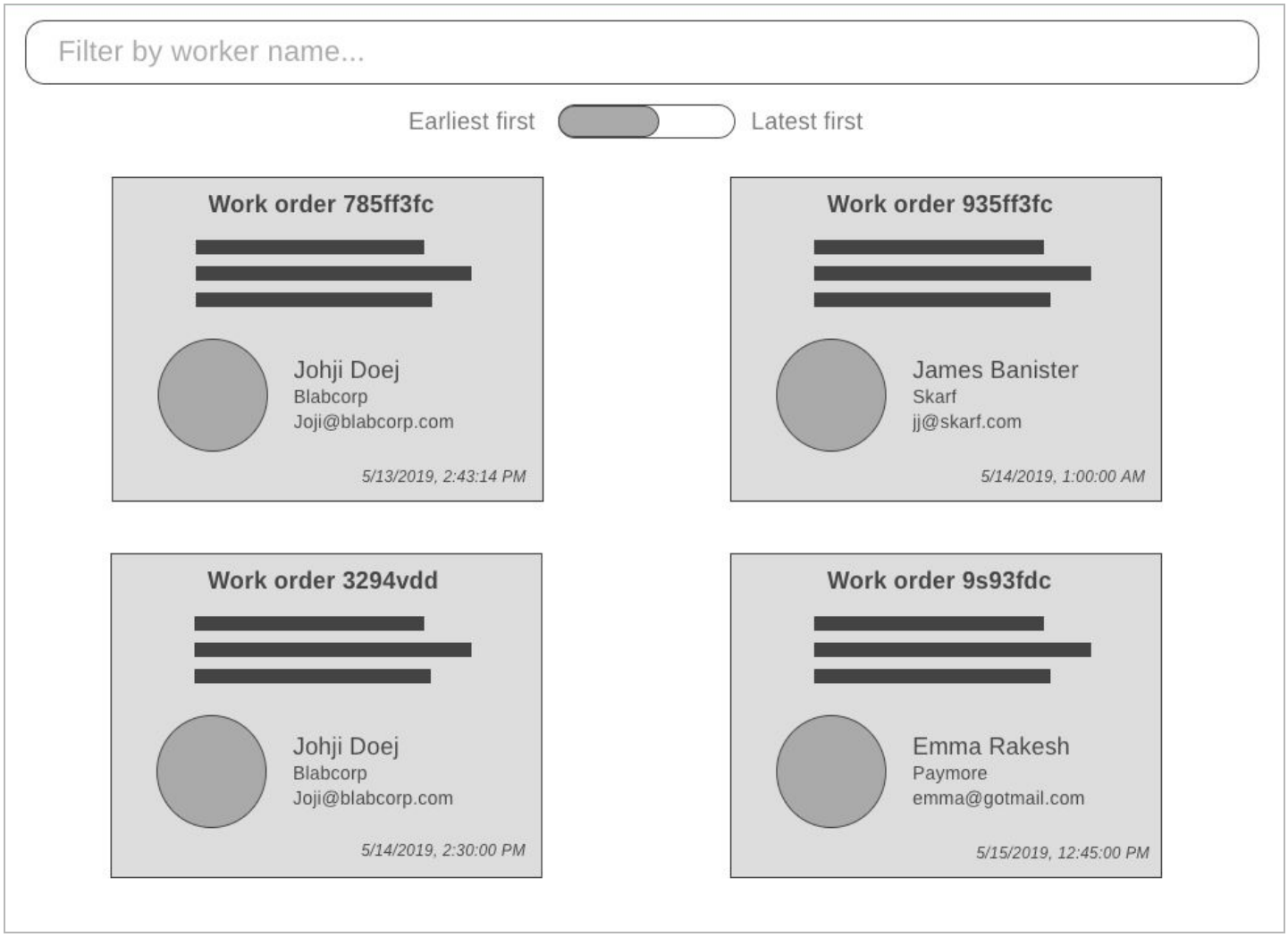
- id (integer) - a unique id of the worker
- name (String) - the name of the worker
- email (String) - the email of the worker
- companyName (String) - the company of the worker
- image (String) - an image for the worker

Application

We want you to build a front-end application that:

- Displays all the work orders (you should also display the worker information that corresponds with each order
- An input field that can filter work orders by worker name
    - Required: input field should have id **"name-input"**
- A switch or toggle that lets you sort all the work orders by deadline (earliest first, or latest first - default should be earliest first)
    - Required: switch input field should have id **"deadline-input"**

Here is a wireframe with an example of what we are looking for:



Note: This wireframe is only an example. Feel free to be creative in terms of meeting the requirements.

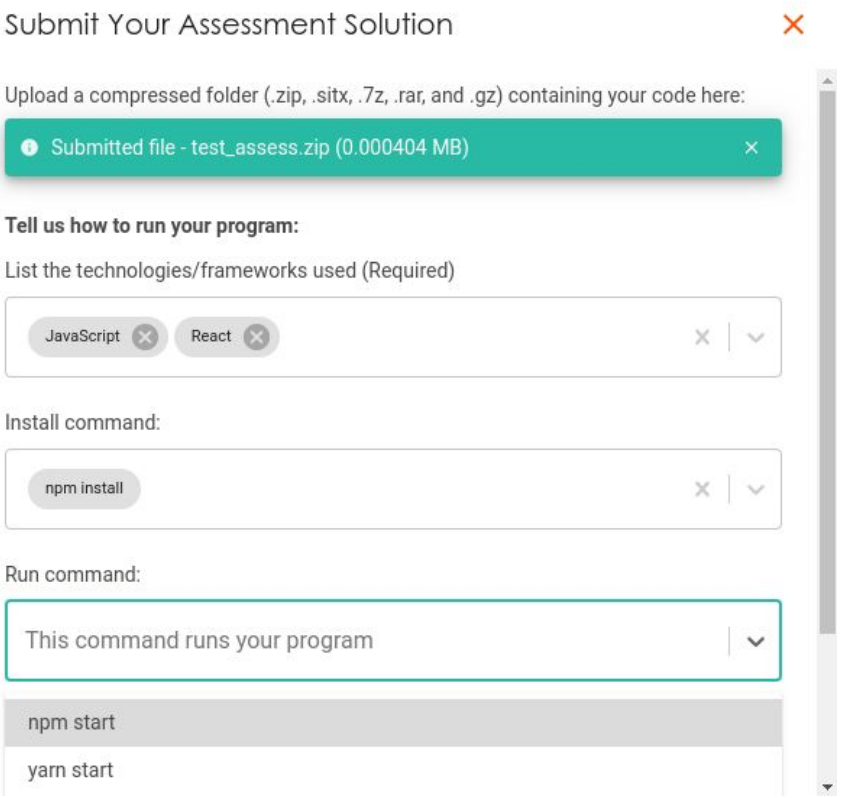
Submission Details

Please submit your code in a compressed folder on the Hatchways platform. The max submission size is 5MB.

Upon clicking the submission button, you will see a form as pictured below. We need this information to be able to test your application.

1. Choose which language and technologies you used to develop your solution
2. Provide us with the **install command**, the **run command**, and the **port** that you used to run your application.

3. If you cannot find your commands in our suggestions, simply type your own and select “Use command”.



Do not submit any built folders, since the compressed folder will be too large. **Do not submit your external dependencies (like the node_modules folder), since the compressed folder will be too large. We will be installing your dependencies before we run your code.**

If your submission is too big and you can't figure out how to compress, you are welcome to email your solution to hello@hatchways.io.

Please include your name, and use the email you signed up with on the Hatchways platform. Use the subject line “Front-end Assessment Submission”.

Public Repositories

Do not post your solution to a public repository. 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.