

**Frontend Development Test**

As part of our hiring process we give all the applicants a coding test so we can gauge their skills set.

The objective of this test is to see how you take the brief and turn into a solution while focusing on the certain key components below:

## Assessment Criteria

1. Delivery of the test on schedule chosen by the candidate
2. Understanding the brief
3. Attention to detail
4. Coding techniques
5. Evaluation of selected solution
6. UI & UX

**Test Name: Project Overview/Project Details Simple App**

Task: Create A Simple App which completes the 4 features listed below.

The list of features that you should look at:

1. **As a user I want to be able to authenticate myself against the application**
2. **As a user I want to be able to see all projects**
3. **As a user I want to able to find a project or a subset of projects**
4. **As a user I want to be able to see project details**

**Authentication Page Specification**

* Login with username/email and password

**Projects Overview Page Specification**

* Display Summary details of all projects
* Each project should contain the title, number, manager, start date and due date, company
* Overview page should have a search/filter functionality to limit results based on a keyword search.

**Project Details Page Specification**

* Project Title
* Project Number
* Start Date and Due Date
* Priority
* Description
* Project Time Allocated

There is no need for add, edit or delete functionality, we only need to view the information.

**Instructions:**

Develop the application stated above using React + Redux. You can use any resources needed to complete the test. Please Do Not Use Any React-BoilerPlates. Please do not copy paste code as we will be using the code as part of the face-to-face interview if you are selected.

Commit commit commit, Documenting/Commenting is crucial and chain of thought of why you used a specific package or used a specific solution pathway will help us get an idea of how you think.

Use descriptive git commits to ensure we get an idea of how you worked through your solution

Feel free to add more features to what is described above.

API Reference

An account has been setup with pre populated data that you can use to create the board.

Account Link: <https://dev.proworkflow.net/ProfessionalPartnersDemo2018>

Username: **g1kJfSk73hj**

Password: **uH83M9qK713bczD18**

API-Key: **VE4J-DTOL-GB9N-GPB9-PWFISMQ-DEV3572**

The link for the API-Dashboard

Dashboard: <https://api.proworkflow.net/?dashboard>

Click on “**Configuration**” and use the information above. Test out the api calls available, and decide on which calls you need to complete the test. Remember to document it

If you need more information about the api you can use these links:

API Calls: <https://api.proworkflow.net/?calls>

API Overview: <https://api.proworkflow.net/?documentation#introductionoverview>

Some endpoints that you can use to get started:

* GET
  + /**projects**
* GET
  + /**projects/{projectid}**
* GET
  + /**login**

**On Completion**

Provide us the link to your git repository once you are satisfied with your solution. Do not commit code after you completed, as we will make a copy of your repo therefore any code committed after that will be ignored.

Provide us a brief description of your thought process and how your solution works. If you have added more features let us know.

Good luck!