Quest

Home Assignment

Dear candidate,

Thank you for your time. To best evaluate your performance, outlined below is a home assignment.

It should take you approx. 2-3 hours to complete.

The assignment

We want you to create an Angular application that will show flights of the workers.

The app should contain 3 parts:

1. Workers list – a list of all workers in the system.
2. Flights of the worker – a table with all flight information of the worker.
   Columns of the table are:
   1. Flight Number
   2. Origin
   3. Origin Date
   4. Destination
   5. Destination Date
3. Flight information – this part will show an extra information of the flight
   a. Plane Number
   b. Duration of the flight
   c. Origin gate
   d. Destination gate

Clicking on worker name, will show all his flights in the table.

Clicking on specific flight, will show the flight details in **Flight Information**.

The flight information should be refreshed automatically **every 1 minute**.

The first row is default selected row of the table.

Create a **pipe** for duration to be displayed in prettier format.

Example: 350 (response from API in minutes) → 5h 50m

Workers	Flight Number	Origin	Origin Date	Destination	Destination Date		
John Doe	BA123	London	1/12/2010	Tel Aviv	2/12/2010	Plane Number	A380
Jane Doe	UA091	New York	7/1/2010	London	8/1/2010	Duration	6h 21m
Mr. Smith	VX123	San Francisco	5/7/2010	Denver	7/7/2010	Origin gate	35
Patrick Stewart	HA456	Hawaii	1/8/2010	Los Angeles	2/8/2010	Destination gate	101
	B6753	Seattle	1/6/2010	Austin	2/6/2010		
	WN876	Viena	1/5/2010	Berlin	2/5/2010		
	XX345	Dublin	1/4/2010	Melbourne	2/4/2010		
	AJ987	Tokyo	8/12/2010	Tel Aviv	9/12/2010		

Endpoints

You have access to endpoints:

- List of workers: https://interview-mock.herokuapp.com/api/workers/

```
[
  {
    "id": number,
    "name": string
  },
]
```

- Flights of the worker: https://interview-mock.herokuapp.com/api/workers/:worker_id

```
[
  {
    "num": string,
    "from": string,
    "to": string,
    "from_date": string, (dd/mm/yyyy)
    "to_date": string, (dd/mm/yyyy)
    "plane": string,
    "duration": number,
    "from_gate": number,
    "to_gate": number
  }
]
```

Client implementation

The app should be written in latest Angular.

We've set up a build-based app with SCSS.

https://github.com/QSFT/WebDeveloper-HomeAssignment.git

You can use any third-party library if you wish for the table.

It should work at least on Chrome browser.

Deliverable

1. Upload this project to a **private** github hit repo and share it with me (username: **AlexLvovsky**) – please also send an email to alex.lvovsky@quest.com – or – (if you can't open private repo in github) send me a public repo
2. Add a short readme on how to build and run the project

Notes

- Feel free to contact me if you have any question regarding any of the phases
- Don't be shy asking question, it's better than implementing the wrong thing

Good Luck!