

Subject:

Alaska Airlines - alaskaair.com Interview Coding Evaluation

Body:

Hello -

We are the hiring managers for the AlaskaAir.com development teams and we are happy to say that we would like to evaluate you further as a potential team member! This coding test is a way for us to “see you in action”. Please take some time to follow the steps below. We will subsequently evaluate the results as our next step towards an on-site interview loop.

While we favor pair and group programming, please do this exercise on your own so that we can get a good picture of your talents. It'll also help set you up for success for the rest of the on-site interview process.

Please host all related deliverables on GitHub or Google Drive and send a link to e-commercetechnicalhiring@alaskaair.com.

Thank you,

David Patterson, Larry Cohen and Patrick Boudreaux

Alaska Airlines Coding Test

Description:

The purpose of this test is to test your familiarity with C#, MVC, HTML, and CSS, all items we use on a regular basis to maintain current functionality and add new functionality to Alaska Airlines digital footprint.

Please approach this test as if you were intending on deploying this to a production environment. This includes using the same patterns and practices you would use in a production environment. Also assume other engineers will have to maintain and or add functionality to this in the future.

Details:

Estimated Time to Complete

- 2 - 3 Hours depending on experience

Requirements

- .Net 4.6 or higher

- [ASP.NET](#) MVC Website

- Bootstrap CSS

- We should be able to compile and run your solution

Data Files (attached CSVs)

- List of airports

- List of flights going from one airport to another

Required Functionality

- User should be able to search for flights between two different airports.
- User should be able to see a list of flights matching the search parameters on the previous step
- User should be able to sort the flights by price or departure

Some Helpful Hints

- CSV Helper - <https://www.nuget.org/packages/CsvHelper/2.16.3>

Extra Credit

- Expose necessary actions as json endpoints
- Using the JavaScript library of your choosing create a single page application encompassing the required functionality