

Welcome to the PIPware Full Stack Web Developer test project!

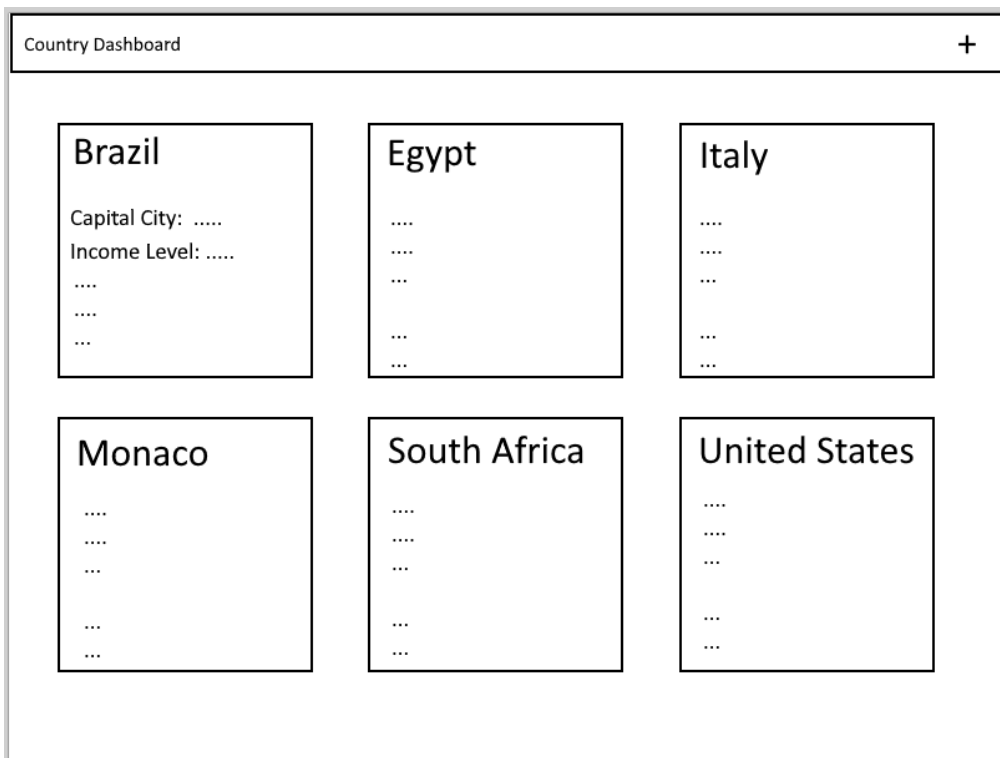
The goal of this project is to assess a candidate's ability to apply their knowledge and experience, which would be expected of them in the day to day activities if they were to join our team as a Senior Developer.

Project Name:

- Country Dashboard

Requirements:

- Create a simple web application that reads countries from a SQL database.
- Then, for each country stored in the database, it uses the country's 2 letter ISO code (ISO 3166 Alpha-2 code) to fetch additional information for that country in JSON format from a public API.
- It then displays each country's data in a "dashboard" using a "card-like" view for each country as per the wireframe below:



The wireframe shows a dashboard titled "Country Dashboard" with a "+" icon in the top right corner. It contains six country cards arranged in a 2x3 grid:

- Brazil**
Capital City:
Income Level:
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- Egypt**
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- Italy**
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- Monaco**
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- South Africa**
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- United States**
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**This is a rough wireframe, please use your creativity and design skills to make it look professional and elegant.*

- Bonus points:
 - The user should also be able to add a new country to the SQL database.

- The user should be able to delete a country from our SQL database in the following manner: "When you hover over a country's "card", a small "x" should appear in the top right of that card. Clicking on the "x" should result in that country being deleted from the database and the country's card being removed from the dashboard.
- The application should prevent duplicate country codes from being saved.
- The application should limit the number of countries stored in the table to 10 countries.

Public API Information:

- Use the following public API: <http://api.worldbank.org/v2/country>.
- Documentation on how to use the API can be found here: <https://datahelpdesk.worldbank.org/knowledgebase/articles/898590-country-api-queries>.

Technical Information:

- It is a Greenfield project.
- You must use ReactJS, TypeScript, C#, and SQL.
- The Web Application must use .NET core 2.1 or higher.
- No Authentication or Authorization is required.
- The project will be tested by running it in Visual Studio 2019

Assessment Criteria:

| Criterion | Weight |
|--|--------|
| Functionality | (20) |
| Quality (Consistency, Conventions, Best Practices) | (20) |
| Readability / Maintainability | (10) |
| User Experience | (10) |
| Performance | (5) |
| Innovation and Creativity | (10) |

GOOD LUCK!