Aon Center for Innovation and Analytics

Web Development Test
04/11/2019

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Web Development Test – Problem Statement

➢ **Develop a web tool to analyze the total population in Japan by Gender and Age group.**

➢ **Acceptance Criteria:**

  – A map of Japan on the left partitioned by states.

  – States should be shaded based on the total population. *(Larger the population, darker the shade)*

  – Statistics on the right *(as shown in next page)* should update based on hovering the cursor over any of the states in the map. *(By default the stats should display the total population in Japan)*
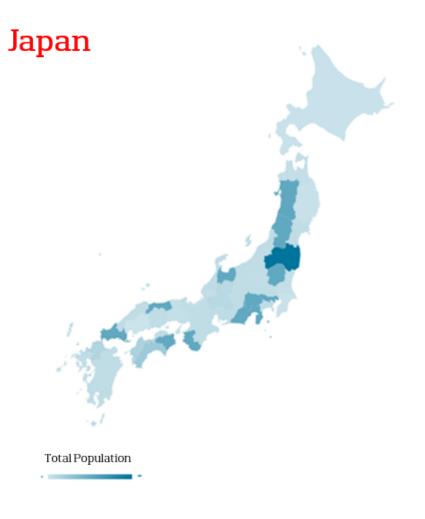
➢ **Technical Requirements:**

  – Frontend should be developed with React using a Single-Page Application framework

  – An API developed using .NetCore Web API that returns the population statistics

  – Include clear instructions on how to build and launch your application

➢ **Bonus:**

  – Filter by State, Gender and Age group

  – Tooltip on the map

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Web Development Test – Design

Japan

Total Population

Total Population
251M

Male	Female
128M	123M

Age	Male	Female	Total
Below 20	38M	32M	70M
20 – 40	28M	26M	54M
40 – 60	29M	29M	58M
Above 60	35M	34M	69M