Aon Center for Innovation and Analytics

Web Development Test
3rd August 2021

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Web Development Test – Problem Statement

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

➢ **Acceptance Criteria:**
- The page should contain a table with the top 10 states by population
- States should be shaded based on the total population *(Larger the population, darker the shade)*
  - The data is available in the attached .csv file
- Statistics on the right should update based on hovering the cursor over any of the states
- By default, and without hovering a state, the stats on the right should display the total population in Japan
- The look and feel of the Frontend is like the next page

➢ **Technical Requirements:**
- The Frontend should be developed with React.js or Angular using a Single-Page Application framework
  - We suggest the use of the *Create React App or Angular CLI* template
- Include clear instructions on how to build and launch your application

➢ **Bonus:**
- Connect the Frontend to an API that returns the population statistics

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Web Development Test – Design

Japan

Top 10 States	Population
Tokyo-to	27800651
Kanagawa	22288293
Aichi	18463750
Osaka-fu	16577220
Saitama	11900721
Hokkaido	9630718
Hyogo	9371172
Chiba	9224372
Ibaraki	7985064
Shizuoka	7361514

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

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