By Matthew George

**Use Case Descriptions**

## **All Countries**

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| Use Case: | | Largest-Smallest Country Population Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each country’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, the product will query the database and produce one, displaying all the country codes, names, continents, regions, populations, and capital cities, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest Country Population in Continent Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each country in a continent’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a continent to search. The product will query the database and produce one, displaying all the country codes, names, continents, regions, populations, and capital cities, in that continent, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest Country Population in Region Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each country in a region’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a region to search. The product will query the database and produce one, displaying all the country codes, names, continents, regions, populations, and capital cities, in that region, starting from the largest population down to the smallest. | | |

## **Top ‘N’ Countries**

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| Use Case: | | Top ‘N’ Populated Countries Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated countries where ‘N’ is user defined | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’. The product will query the database and produce a report, displaying the country codes, names, continents, regions, populations, and capital cities, of the top ‘N’ most populated countries. | | |

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| Use Case: | | Top ‘N’ Populated Countries in Continent Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated countries in a continent where ‘N’ is user defined | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a continent to search. The product will query the database and produce a report, displaying the country codes, names, continents, regions, populations, and capital cities, of the top ‘N’ most populated countries in that continent. | | |

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| Use Case: | | Top ‘N’ Populated Countries in Region Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated countries in a region where ‘N’ is user defined | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a region to search. The product will query the database and produce a report, displaying the country codes, names, continents, regions, populations, and capital cities, of the top ‘N’ most populated countries in that region. | | |

## **All Cities**

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| Use Case: | | Largest-Smallest City Population Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each city’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, the product will query the database and produce one, displaying all the city names, countries, districts, and populations, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest City Population in Continent Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each city in a continent’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a continent to search. The product will query the database and produce one, displaying all the city names, countries, districts, and populations in that continent, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest City Population in Region Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each city in a region’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a region to search. The product will query the database and produce one, displaying all the city names, countries, districts, and populations in that region, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest City Population in Country Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each city in a country’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a country to search. The product will query the database and produce one, displaying all the city names, countries, districts, and populations in that country, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest City Population in District Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each city in a district’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a district to search. The product will query the database and produce one, displaying all the city names, countries, districts, and populations in that district, starting from the largest population down to the smallest. | | |

## **Top ‘N’ Cities**

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| Use Case: | | Top ‘N’ Populated Cities Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated cities where ‘N’ is user defined | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’. The product will query the database and produce a report, displaying the city names, countries, districts, and populations of the top ‘N’ most populated cities. | | |

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| Use Case: | | Top ‘N’ Populated Cities in Continent Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated cities in a continent where ‘N’ is user defined | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a continent to search. The product will query the database and produce a report, displaying the city names, countries, districts, and populations of the top ‘N’ most populated cities in that continent. | | |

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| Use Case: | | Top ‘N’ Populated Cities in Region Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated cities in a region where ‘N’ is user defined | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a region to search. The product will query the database and produce a report, displaying the city names, countries, districts, and populations of the top ‘N’ most populated cities in that region. | | |

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| Use Case: | | Top ‘N’ Populated Cities in Country Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated cities in a country where ‘N’ is user defined | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a country to search. The product will query the database and produce a report, displaying the city names, countries, districts, and populations of the top ‘N’ most populated cities in that country. | | |

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| Use Case: | | Top ‘N’ Populated Cities in District Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated cities in a district where ‘N’ is user defined | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a district to search. The product will query the database and produce a report, displaying the city names, countries, districts, and populations of the top ‘N’ most populated cities in that district. | | |

## **All Capital Cities**

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| --- | --- | --- | --- |
| Use Case: | | Largest-Smallest Capital City Population Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each capital city’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, the product will query the database and produce one, displaying all the capital city names, countries, and populations, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest Capital City Population in Continent Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each capital city in a continent’s information by population in descending order | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a continent to search. The product will query the database and produce one, displaying all the capital city names, countries, and populations in that continent, starting from the largest population down to the smallest. | | |

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| Use Case: | | Largest-Smallest Capital City Population in Region Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display each capital city in a region’s information by population in descending order | |
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| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a region to search. The product will query the database and produce one, displaying all the capital city names, countries, and populations in that region, starting from the largest population down to the smallest. | | |

## **Top ‘N’ Capital Cities**

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| --- | --- | --- | --- |
| Use Case: | | Top ‘N’ Populated Capital Cities Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated capital cities where ‘N’ is user defined | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’. The product will query the database and produce a report, displaying the capital city names, countries, and populations of the top ‘N’ most populated capital cities. | | |

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| Use Case: | | Top ‘N’ Populated Capital Cities in Continent Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated capital cities in a continent where ‘N’ is user defined | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a continent to search. The product will query the database and produce a report, displaying the capital city names, countries, and populations of the top ‘N’ most populated capital cities in that continent. | | |

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| Use Case: | | Top ‘N’ Populated Capital Cities in Region Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the ‘N’ most populated capital cities in a region where ‘N’ is user defined | |
|  | | | |
| Description: | | |  |
|  | When an organisation selects to see this report, they are asked to input a value for ‘N’ and a region to search. The product will query the database and produce a report, displaying the capital city names, countries, and populations of the top ‘N’ most populated capital cities in that region. | | |

## **Urban-Rural Population**

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| Use Case: | | Urban-Rural Population in Each Continent Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the urban and rural populations in each continent | |
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| Description: | | |  |
|  | When an organisation selects to see this report, the product will query the database and produce a report, displaying the total population, the population living in cities, and the population not living in cities, both alongside percentage values, within each continent. | | |

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| Use Case: | | Urban-Rural Population in Each Region Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the urban and rural populations in each region | |
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| Description: | | |  |
|  | When an organisation selects to see this report, the product will query the database and produce a report, displaying the total population, the population living in cities, and the population not living in cities, both alongside percentage values, within each region. | | |

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| Use Case: | | Urban-Rural Population in Each Country Report | |
| Actors: | | Organisation | |
| Goal: | | To gather and display the urban and rural populations in each country | |
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| Description: | | |  |
|  | When an organisation selects to see this report, the product will query the database and produce a report, displaying the total population, the population living in cities, and the population not living in cities, both alongside percentage values, within each country. | | |

## **Access to Data**

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| Use Case: | | Access Population Data | |
| Actors: | | Organisation | |
| Goal: | | To allow the organisation to access specific population data | |
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| Description: | | |  |
|  | When an organisation wants to access population data, they should be able to do so, and specify a certain continent, region, country, district, or city, if they choose to. | | |

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| Use Case: | | Access Language Speaker Data | |
| Actors: | | Organisation | |
| Goal: | | To allow the organisation to access specific language speaker data | |
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| Description: | | |  |
|  | When an organisation wants to access language data, they should be able to do so and see the number of people who speak Chinese, English, Hindi, Spanish & Arabic. This data will be sorted from greatest number to smallest number, alongside the percentage of the world population. | | |