**User StorieS**

User Story 1: View Countries, Cities, and Capital Cities Organized by Population

As a user I want to see countries, cities, and capital cities organized by population, so that I can view the data ranked from the largest to smallest population.

Acceptance Criteria:

* Report displays countries, cities, and capital cities sorted by population.
* Reports available by continent, region, and world.

User Story 2: View Top N Populated Countries, Cities, and Capital Cities

As a user, I want to generate a report for the top N populated countries, cities, or capital cities, so that I can view a dynamic top N list based on user input.

Acceptance Criteria:

* User inputs a number N to filter the top N populated countries, cities, or capital cities.
* Report returns top N entries based on population for countries, cities, and capitals globally, by continent, or by region.

User Story 3: View Population Breakdown by Continent, Region, Country, and City

As a user, I want to see the population breakdown at various levels, so that I can understand the population distribution globally, by continent, region, country, and city.

Acceptance Criteria:

* Reports display population details for continents, regions, countries, and cities.
* Each report includes total population, urban vs rural population, and percentages.

User Story 4: View Language Speaker’s Statistics

As a user, I want to see the number of speakers for specific languages (Chinese, English, Hindi, Spanish, Arabic), so that I can understand the distribution of language speakers globally.

Acceptance Criteria:

* Report lists the number of speakers for each language, sorted from greatest to smallest.
* Each language has a corresponding percentage of the world population.

Epic: Data Access

User Story 5: Access Population Data at Different Levels

As a user, I want to access population data at different levels (world, continent, region, country, district, and city), so that I can obtain specific population data depending on the area of interest.

Acceptance Criteria:

* System allows access to population data for world, continents, regions, countries, districts, and cities.
* User can select different levels and view corresponding population data.

User Story 6: Access Population Living in Cities vs. Not Living in Cities

As a user, I want to see the population of people living in cities versus people not living in cities, so that I can understand urban vs rural population distribution in each region, continent, and country.

Acceptance Criteria:

* Report provides population data for people living in cities and those not living in cities.
* The data is available at the level of continents, regions, and countries.

Epic: Report Features

User Story 7: Generate a Country Report

As a user, I want to generate a country report with specific columns, so that I can view detailed country-level information including code, name, continent, region, population, and capital.

Acceptance Criteria:

* Country report includes columns: Code, Name, Continent, Region, Population, Capital.
* Report data should be sortable by population.

User Story 8: Generate a City Report

As a user, I want to generate a city report with specific columns, so that I can view detailed city-level information including name, country, district, and population.

Acceptance Criteria:

* City report includes columns: Name, Country, District, Population.
* Report data should be sortable by population.

User Story 9: Generate a Capital City Report

As a user, I want to generate a capital city report with specific columns, so that I can view detailed capital city-level information including name, country, and population.

Acceptance Criteria:

* Capital city report includes columns: Name, Country, Population.
* Report data should be sortable by population.

User Story 10: Generate a Population Report

As a user, I want to generate a population report with the population of the continent, region, or country, so that I can see the breakdown of total population, urban population, and rural population with percentages.

Acceptance Criteria:

* Report includes Name of continent/region/country, total population, population living in cities (including percentage), population not living in cities (including percentage).

Epic: Data Interaction

User Story 11: Provide User Input for Top N Reports

As a user, I want to input a value N to filter the top N populated countries, cities, or capitals, so that I can customize the report according to my needs.

Acceptance Criteria:

* User can provide an integer N as input for top N populated entities in countries, cities, or capitals.
* Report dynamically updates based on the input value.

Epic: Reporting & Visualization

User Story 12: Provide Visual Representation of Population Data

As a user, I want to see visual representations (charts/graphs) of population data, so that I can quickly interpret the population distribution at different levels (world, continent, country, city).

Acceptance Criteria:

* System provides charts/graphs for population data (e.g., bar graphs, pie charts).
* Visuals are based on the reports generated.