

Full Use Case Defined

Group: G6

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Topic: Full use Case Defined

Introduction

The Country Information Management System is a software solution designed to provide comprehensive data and analysis on countries, cities, populations, and languages worldwide. This system caters to the needs of users seeking detailed information about countries, cities, and populations across various regions and continents. Additionally, it offers administrative functionalities for data management and security enforcement.

The system encompasses a range of use cases to facilitate user interactions and administrative operations. These include:

1. Viewing lists of countries, cities, and capital cities organized by population size and geographical categorization.
2. Retrieving top N populated countries and cities based on user-specified criteria.
3. Accessing population data for continents, regions, and countries, including urban and rural population statistics.
4. Analyzing language demographics and population percentages for major languages globally.
5. Administratively adding new data to enrich the system's database and applying security measures to safeguard sensitive information.

Conclusion

In conclusion, the Country Information Management System provides a user-friendly interface for accessing detailed information about countries, cities, and populations worldwide. By offering a diverse range of functionalities and data analysis capabilities, the system serves as a valuable resource for researchers. With its emphasis on data accuracy, security, and usability, the system ensures efficient management and utilization of information for various stakeholders.

Use Case Defined

- Use Case: View Country List by Population

Actor: User

Description: The user views a list of all countries in the world organized by population from largest to smallest.

Preconditions: None

Postconditions: The user is presented with the list of countries.

- Use Case: View Country List by Continent

Actor: User

Description: The user views a list of all countries in a specific continent organized by population from largest to smallest.

Preconditions: User selects a continent.

Postconditions: The user is presented with the list of countries in the selected continent.

- Use Case: View Country List by Region

Actor: User

Description: The user views a list of all countries in a specific region organized by population from largest to smallest.

Preconditions: User selects a region.

Postconditions: The user is presented with the list of countries in the selected region.

Reference List

1. Daly.N (2022), What is a Use Case?
<https://www.wrike.com/blog/what-is-a-use-case/>
2. Usability (2024), Use Case.
<https://www.usability.gov/how-to-and-tools/methods/use-cases.html>