

Use Case #	Generate country report	
Goal in Context	Allow users to access population data for countries, organized in multiple ways such as by world, continent, or region population rankings.	
Scop & Level	Population Information System, Primary Task	
Preconditions	The population database must be updated and organized by country, continent, and region.	
Success End Condition	A list of countries with population data is generated, sorted based on the user-specified criteria.	
Failed End Condition	No data is displayed or incorrect data is generated.	
Primary, Secondary Actors	Primary Actor: User/Organization Secondary Actor: Database	
Trigger	User selects a report type (global, continent, region) and optionally inputs the desired top X countries by population.	
DESCRIPTION	Step	Action
	1	User selects the option to generate a country report.
	2	User indicates how they want the report to be organized (by world, region, language, etc.)
	3	System retrieves the relevant population data from the database.
	4	System organizes the countries based on the specified criteria (e.g. Largest to smallest population)
	5	System generates and displays the report
EXTENSIONS	Step	Branching Action
	2a	User does not provide input for top X: System defaults to show all Countries.
	3a	Data retrieval error: System displays an error message and asks the user to retry.
SUB-VARIATIONS		Branching Actions
		Report can be organized by: <ul style="list-style-type: none"> - World population rankings - Continent population rankings - Region population rankings - Top X countries globally, by continent, or by region

REALTED INFORMATION	
Priority	High, as this is a core functionality of the system
Performance	Report generation should take no longer than 5 seconds after user input
Frequency	Expected to be generated daily by users
Channel to actors	Web interface with a connection to the population database
OPEN ISSUES	Ensure real-time updates for population data to maintain report accuracy
Due Date	Release 1.0