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| Use-case UC-1 | Description |
| Use-case name | Login to System |
| ID | UC-1 |
| Description | User tries to sign into system to Access Population Information |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | There are no preconditions associated with this  use case. |
| Main Flow | The use case begins when the Surveyors types his/her name and password on the login form.  **Basic Flow - Login**  **1.**The system validates the actor’s password |

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|  | and logs him/her into the system.  2.The system displays the Main Population information and the use case ends.  **Alternative Flows**  *1.Invalid Name / Password*  If in the basic flow the system cannot find the name or the password is invalid, an error message is displayed. The actor can type in a new name or password or choose to cancel the operation, at which point the use case ends. |
| Post-Condition | The user’s details are stored in the database. |

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| Use-case UC-2 | Description |
| Use-case name | Organized by largest population to smallest in the Countries |
| ID | UC-2 |
| Description | User tries to access information of the largest population to smallest in the Countries located in Region, Continent, and World |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | User has already had an account in the database of System |
| Main Flow | 1. The use case starts when the user clicks the “Information Access of Countries” tab on the navigation bar   The system displays the “all the countries” page that allow users to check all details of Population  Such as   * All the countries in the world organized by largest population to smallest. * All the countries in a continent organized by largest population to smallest. * All the countries in a region organized by largest population to smallest. |
| Post-Condition | The user has access to the system |

**Use cases 03:**

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| Use-case UC-03 | Description |
| Use-case name | Search for Countries |
| ID | UC-03 |
| Description | Search for top 10 Populated Countries in Region, Continent and World |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | Actor has logged in |
| Main Flow | 1. The use case starts when the User clicks the “Populated Countries” 2. The system displays the Top 10 populated Countries 3. Top 10 Countries located in Region, Continent and World 4. The user clicks on the Country that they are   Interested in |

**Use Case 04:**

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| Use-case UC-4 | Description |
| Use-case name | Organized by largest population to smallest in the Cities |
| ID | UC-4 |
| Description | User tries to access information of the largest population to smallest in the Cities located in a District, Region, Continent, and World |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | User already has an account in the database of the System |
| Main Flow | 1. The use case starts when the user clicks the “Information Access of Cities” tab on the navigation bar   The system displays the “all the Cities” page that allow users to check all details of Population  Such as   1. All the Cities in the world organized by largest population to smallest. 2. All the Cities in a continent organized by largest population to smallest. 3. All the Cities in a region organized by largest population to smallest. 4. All the Cities in a District organized by largest population to smallest. |
| Post-Condition | The user has access to the system |

**Use cases 05:**

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| --- | --- |
| Use-case UC-05 | Description |
| Use-case name | Search for Cities |
| ID | UC-05 |
| Description | Search for top 10 Populated Cities in Region, Continent and World |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | Actor has logged in |
| Main Flow | 1. The use case starts when the User clicks the “Populated Cities” 2. The system displays the Top 10 populated Cities 3. Top 10 Cities located in District, Region, Continent and World 4. The user clicks on the Cities that they are   interested |
| Post-Condition | System display all details of top 10 Cities |

**Use Case 06:**

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| Use-case UC-6 | Description |
| Use-case name | Organized by largest population to smallest in the capital Cities |
| ID | UC-6 |
| Description | User tries to access information of the largest population to smallest in the capital Cities located in Region, Continent, and World |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | User already has an account in the database of System |
| Main Flow | The use case starts when the user clicks the “Information access of capital Cities” tab on the  navigation bar   * The system displays the “all the capital Cities” page that allow users to check all details of Population * Such as * All the capital Cities in the world organized by largest population to smallest. * All the capital Cities in a continent organized by largest population to smallest. * All the capital Cities in a region organized by largest population to smallest. |
| Post-Condition | The user has access to the system |

**Use cases 07:**

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| Use-case UC-07 | Description |
| Use-case name | Search for capital Cities |
| ID | UC-07 |
| Description | Search for top 10 Populated capital Cities in Region, Continent and World |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | Actor has logged in |
| Main Flow | 1. The use case starts when the User clicks the “Populated capital Cities” 2. The system displays the Top 10 populated capital Cities 3. Top 10 capital Cities located in Region, Continent and World 4. The user clicks on the Cities that they are   interested |
| Post-Condition | System displays all details of top 10 Cities |

**Use Case 08:**

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| Use-case UC-8 | Description |
| Use-case name | People living or Not living in cities in each region |
| ID | UC-8 |
| Description | People living in cities, and people not living in cities in each region. |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | User already has an account in the database of System |
| Main Flow | 1. The use case starts when the user clicks the “people Information” tab on the navigation bar   The system displays the “all the people Information” page that allow users to check all details of Population  Such as   * Detail of People living in cities in each region. * Detail of People which are not living in cities in each region. |

**Use-case 09:**

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| --- | --- |
| Use-case UC-9 | Description |
| Use-case name | People living or Not living in cities in each country |
| ID | UC-9 |
| Description | People living in country, and people not living in cities in each country. |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | User has already had an account in the database of System |
| Main Flow | 1. The use case starts when the user clicks the “Information Access of people Information” tab on the navigation bar   The system displays the “all the people Information” page that allow users to check all details of Population  Such as   * Detail of People living in cities in each country. * Detail of People which are not living in cities in each country. |
| Post- Condition | * System displays all the information of population. |

**Use cases 10:**

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| Use-case UC-10 | Description |
| Use-case name | Search for people |
| ID | UC-10 |
| Description | Search for People who speaks Number of languages from greatest number to smallest |
| Primary Actor | System Administrator |
| Secondary Actor | Surveyor |
| Pre-Condition | Actor has logged in |
| Main Flow | * The use case starts when the User clicks the ‘People Information” * The system displays Number of languages from greatest number to smallest which speaks * Show details of people who speaks Number of languages from greatest number to smallest * The user clicks on the language details that they are interested |
| Post-Condition | System displays all details of languages |