

Student user story

As a student, I can access hundreds of records of geographical data so that I can use accurate data in academic projects.

Student acceptance criteria

Given that I might not be very technically confident, when I use the population data system, then the interface must be clear and obvious.

Given that I will be trusting that the data is accurate, when I browse or search population data, then the data must have been checked and up to date.

Given that I wish to use the data in projects, when I cite the source in academic work, then I need to be assured that the data is open source.

Data entry professional user story

As a data entry professional, I can enter new data into the geographical database without having to worry too much about how accurately I enter the data because the system should be robust.

Data entry professional acceptance criteria

Given that I am an administrator in the system, when I input new data into the geographical database, then the system should validate the data for basic accuracy and integrity. It should be impossible to enter duplicate records into the database, for example.

Given that I may make mistakes during data entry, when I add data to the system, then the system should provide feedback on any errors or inconsistencies found in the data.

Researcher user story

As a researcher, I can access data for specific countries, regions, etc so that I can analyse and report on trends, etc.

Researcher acceptance criteria

Given that I am a researcher, when I access the population database, then I should be able to filter, sort, and search data by continent, region, country, district, and city.

Given that I need to analyse trends, when I retrieve data from the database, then there should be an option to present data in a format I can use for my analysis, such as tables or graphs.

Citizen user story

As a citizen of a country, I can look up data specific to my area so that I can be informed about my location.

Citizen acceptance criteria

Given that I am a citizen of a country, when I visit the website and I'm not logged in, then I should be able to see my country's stats 'for free' (in the sense that I'm not yet logged in).

Member of government user story 1

As a member of the government in a country, I can access population data of my country and other countries so that I can compare and contrast my country's trends against others and use it to inform decision making.

Member of government acceptance criteria

Given that I need to compare trends of mine and other countries to inform decision making, when I analyse population data, then the database should provide tools for comparing and contrasting trends between different countries and regions.

Member of government user story 2

As a member of the government in a country, I can request access to update data relating to my country.

Member of government acceptance criteria

Given that I am a member of the government, when I request access to update data in the database, then the process must include authentication to verify my identity and authority to update the data to avoid incorrect data being added.

Given that I might need to be granted the role of admin to make the changes I wish to make, when managing admins in the system, then unbiased users should be assigned admin roles, and there must be a vetting process to ensure that new users in the admin role are trustworthy and capable of managing data accurately.

Given the importance of maintaining data integrity, when users such as the member of government suggest changes to the data, then there should be a mechanism in place to review and approve suggested changes by authorised individuals before they are implemented in the database.

Given the need to maintain the accuracy of the database, when any user of the website encounters errors or inaccuracies in the data, then there should be an option to suggest changes or report errors, such as a "request data change" feature.