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| --- | --- | --- | --- |
| **Backlog** | **Sprint** | **In Progress** | **Done** |
| Issues being used on GitHub  Tasks defined as user stories  Project integrated with Zube.io  Kanban/Project Board being used  Sprint Boards being used  Full use cases defined  Use case diagram created  Unit tests defined  TDD used  Tests running on Travis CI  Deployment Working  Bug reporting System set-up  SQL Reports Complete |  |  | GitHub project for coursework set-up  Product Backlog created  Code of Conduct defined  Project Builds to self-contained JAR with Maven  Dockerfile for project set-up and works  Travis CI for project set-up and build is working using JAR, and Docker on Travis CI  Correct Branches for GitFlow workflow created  First release created on GitHub |

**Key**

Code Review One

Code Review Two

Code Review Three

Code Review Four

Final Submission

**SQL Reports**

The organisation has asked for the following reports to be generated:

* All the countries in the world organised by largest population to smallest.
* All the countries in a continent organised by largest population to smallest.
* All the countries in a region organised by largest population to smallest.
* The top N populated countries in the world where N is provided by the user.
* The top N populated countries in the world where N is provided by the user.
* The top N populated countries in a region where N is provided by the user.
* All the cities in the world organised by largest population to smallest.
* All the cities in a continent organised by largest population to smallest.
* All the cities in a region organised by largest population to smallest.
* All the cities in a country organised by largest population to smallest.
* All the cities in a district organised by largest population to smallest.
* The top N populated cities in the world where N is provided by the user.
* The top N populated cities in a continent where N is provided by the user.
* The top N populated cities in a region where N is provided by the user.
* The top N populated cities in a country where N is provided by the user.
* The top N populated cities in a district where N is provided by the user.
* All the capital cities in the world organised by largest population to smallest.
* All the capital cities in a continent organised by largest population to smallest.
* All the capital cities in a region organised by largest to smallest.
* The top N populated capital cities in the world where N is provided by the user.
* The top N populated capital cities in a continent where N is provided by the user.
* The top N populated capital cities in a region where N is provided by the user.
* The population of people, people living in cities, and people not living in cities in each continent.
* The population of people, people living in cities, and people not living in cities in each region.
* The population of people, people living in cities, and people not living in cities in each country.

Additionally, the following information should be accessible to the organisation:

* The population of the world.
* The population of a continent.
* The population of a region.
* The population of a country.
* The population of a district.
* The population of a city.

Finally, the organisation has asked if it is possible to provide the number of people who speak the following the following languages from greatest number to smallest, including the percentage of the world population:

* Chinese.
* English.
* Hindi.
* Spanish.
* Arabic.

**Country Report**

A country report requires the following columns:

* Code.
* Name.
* Continent.
* Region.
* Population.
* Capital.

**City Report**

A city report requires the following columns:

* Name.
* Country.
* District.
* Population.

**Capital City Report**

A capital city report requires the following columns:

* Name.
* Country.
* Population.

**Population Report**

For the population reports, the following information is requested:

* The name of the continent/region/country.
* The total population of the continent/region/country.
* The total population of the continent/region/country living in cities (including a %).
* The total population of the continent/region/country not living in cities (including a %).