

BACKLOG

Epic 1: Application Setup (Technical)

- 1.1. Set up the web front-end using PUG.
- 1.2. Create the web back-end using Node.js.
- 1.3. Establish communication between the front-end and back-end using Express.js.
- 1.4. Implement a database for data storage.
- 1.5. Set up version control using Git and host the project on GitHub.
- 1.6. Ensure the application is deployable as a Docker container.

Epic 2: Initial Project Management and Planning

- 2.1. Establish a Scrum team for the project.
- 2.2. Adopt Agile and Scrum methodologies for project management.
- 2.3. Define project scope, including functional and non-functional requirements.
- 2.4. Identify project stakeholders.
- 2.5. Implement risk management strategies.

Epic 3: Population Reports

- 3.1. Generate a report of all countries in the world organized by the largest population to smallest.
- 3.2. Generate a report of all countries in a continent organized by the largest population to smallest.
- 3.3. Generate a report of all countries in a region organized by the largest population to smallest.
- 3.4. Allow users to specify and generate reports of the top 'N' populated countries in the world.
- 3.5. Allow users to specify and generate reports of the top 'N' populated countries in a continent.
- 3.6. Allow users to specify and generate reports of the top 'N' populated countries in a region.
- 3.7. Generate a report of all cities in the world organized by the largest population to smallest.
- 3.8. Generate a report of all cities in a continent organized by the largest population to smallest.
- 3.9. Generate a report of all cities in a region organized by the largest population to smallest.
- 3.10. Generate a report of all cities in a country organized by the largest population to smallest.
- 3.11. Generate a report of all cities in a district organized by the largest population to smallest.
- 3.12. Allow users to specify and generate reports of the top 'N' populated cities in the world.
- 3.13. Allow users to specify and generate reports of the top 'N' populated cities in a continent.
- 3.14. Allow users to specify and generate reports of the top 'N' populated cities in a region.
- 3.15. Allow users to specify and generate reports of the top 'N' populated cities in a country.

- 3.16. Allow users to specify and generate reports of the top 'N' populated cities in a district.
- 3.17. Generate a report of all capital cities in the world organized by the largest population to smallest.
- 3.18. Generate a report of all capital cities in a continent organized by the largest population to smallest.
- 3.19. Generate a report of all capital cities in a region organized by the largest population to smallest.
- 3.20. Allow users to specify and generate reports of the top 'N' populated capital cities in the world.
- 3.21. Allow users to specify and generate reports of the top 'N' populated capital cities in a continent.
- 3.22. Allow users to specify and generate reports of the top 'N' populated capital cities in a region.
- 3.23. Provide population statistics for continents, regions, and countries.
- 3.24. Provide the total world population.
- 3.25. Provide the population of a continent.
- 3.26. Provide the population of a region.
- 3.27. Provide the population of a country.
- 3.28. Provide the population of a district.
- 3.29. Provide the population of a city.
- 3.30. Generate a report of people who speak specific languages (e.g., Chinese, English, Hindi, Spanish, Arabic), including the percentage of the world population.

Epic 4: Additional Functionality

- 4.1. Allow users to add new information (datasets) to the database.
- 4.2. Implement security measures, including user authentication with username and password.
- 4.3. Add extra yet relevant functionality to the application as needed.