Backlog

Backlog

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Sprint 1

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Sprint 2

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To Do

PROJECT BACKLOG SPRINT 1: 1.
PROJECT SETUP AND
INITIALIZATION: • CREATE GITHUB
REPOSITORY FOR THE PROJECT. •
SET UP PROJECT STRUCTURE AND
ORGANIZATION ON GITHUB. •
DEFINE INITIAL PROJECT

DOCUMENTATION. • IMPLEMENT DOCKER FILE FOR PROJECT SETUP.

2. ENVIRONMENT AND WORKFLOW SETUP: • CONFIGURE DEVELOPMENT ENVIRONMENT DEPENDENCIES. • ESTABLISH GIT FLOW WORKFLOW WITH MASTER, DEVELOP, AND RELEASE BRANCHES.

3. INITIAL RELEASE AND CODE OF CONDUCT: • CREATE A RELEASE PROCESS FOR THE PROJECT. • VERIFY THE FUNCTIONALITY OF THE FIRST RELEASE ON GITHUB. • DEFINE AND DOCUMENT A CODE OF CONDUCT FOR THE PROJECT. SPRINT 2: 4. USER AUTHENTICATION: • DESIGN AND IMPLEMENT A SECURE LOGIN SYSTEM. • INTEGRATE HASHED PASSWORDS FOR USER AUTHENTICATION. 5. BASIC REPORT GENERATION: • DEVELOP SQL QUERIES FOR BASIC REPORT GENERATION. • TEST AND VALIDATE BASIC REPORT GENERATION FUNCTIONALITY. 6. SORTING AND FILTERING: • IMPLEMENT SORTING OPTIONS FOR REPORTS BASED ON POPULATION. • ADD FILTERING FUNCTIONALITY FOR CUSTOMIZED REPORTS. SPRINT 3: 7. TOP N POPULATED ENTITIES: • DEVELOP FUNCTIONALITY TO DISPLAY THE TOP N POPULATED COUNTRIES, CITIES, AND CAPITAL CITIES. • IMPLEMENT USER INPUT VALIDATION FOR N. 8. POPULATION STATISTICS: • CREATE SQL QUERIES TO DISPLAY POPULATION STATISTICS FOR CONTINENTS, REGIONS, AND COUNTRIES. • INCLUDE PERCENTAGE CALCULATIONS FOR POPULATIONS LIVING IN CITIES. 9. LANGUAGE STATISTICS: • INTEGRATE LANGUAGE STATISTICS FOR SPECIFIED LANGUAGES. • INCLUDE THE NUMBER AND PERCENTAGE OF SPEAKERS IN THE REPORTS.

SPRINT 4: 10. SECURITY MEASURES:
• ENHANCE SECURITY MEASURES,
INCLUDING ENCRYPTED STORAGE
OF SENSITIVE DATA. • IMPLEMENT
SECURE USER AUTHENTICATION.
11. PERFORMANCE OPTIMIZATION
AND FINALIZATION: • OPTIMIZE SQL
QUERIES FOR EFFICIENT REPORT
GENERATION. • TEST AND MEASURE
PERFORMANCE WITH LARGE
DATASETS. • COMPLETE USER
INTERFACE IMPROVEMENTS AND
VALIDATION. • FINALIZE
DOCUMENTATION, INCLUDING USER
AND DEVELOPER GUIDES.

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Doing

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sprint 2

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Code Review   2 / 3

Code Review

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to be done after sprint 2

Testing

Testing

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to be done after sprint 2

Done 🎉

Done

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sprint 1

Feb 12