MSA Project
History Education App

By
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Project Overview

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Project Requirements

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Database uses

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Database Structure

1. Countries
    1.1. CountryID (P_Key varchar)
    1.2. RoadMapGroupID(varchar)
    1.3. Name (varchar)
    1.4. DateStarted (date)
    1.5. DateEnded (date)
    1.6. StillExists (boolean)
    1.7. FlagImagePath(varchar)
    1.8. FlagEmoji(varchar)
    1.9. HexColor (varchar)
2. Media
    2.1. MediaID (P_Key varchar)
    2.2. CountryID(varchar) // Used to fetch the media for each country
    2.3. MediaType (ENUM('image','link','route'))
    2.4. ValuePath (varchar)
3. CountryGroup
    3.1. GroupID (P_Key varchar)
    3.2. CountryID (F_Key varchar)
4. RoadMap
    4.1. RoadMapID (P_Key varchar)
    4.2. Name (varchar)
    4.3. DateStarted (date)
    4.4. DateEnded (date)
    4.5. StillExists(boolean)
5. Accounts
    5.1. AccountID (P_Key varchar)
    5.2. Username (varchar)
    5.3. E-mail (varchar)
    5.4. Phone (varchar)
    5.5. Password (Hashed varchar)
    5.6. AchievementID (F_Key)
6. Achievements
    6.1. AchievementID (P_Key varchar)
    6.2. Achievement Name (varchar)
    6.3. Description(varchar)
    6.4. ImageLink (varchar)

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7. Quizzes
    7.1. QuizID (P_Key varchar)
    7.2. CountryID (F_Key varchar)
    7.3. CountryGroupID(F_Key varchar)
    7.4. QuizTitle (varchar)
    7.5. QuizDescription (varchar)
    7.6. ImageLink (varchar)
    7.7. Score (varchar)
8. QuizQuestions
    8.1. QuestionID (P_Key varchar)
    8.2. QuizID (F_Key varchar)
    8.3. QuestionTitle
    8.4. QuestionBody

Technologies Used

- ❖ Database
  - ➢ MySQL (Hosted Locally)
- ❖ Back-end
  - ➢ Kotlin
  - ➢ Ktor
- ❖ Front-end
  - ➢ Kotlin

Activity Pages

1. Main Page
    a. Latest updated stuff
    b. Latest News
    c. Featured Media
2. Roadmap page
3. Specific Country page
4. Media Page

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