

Polyglot International

Overview

Polyglot International is a NGO that support a number of international organizations by connecting teams and researchers with local translators. Polyglot International is based in Geneva Switzerland, with outreach branches around the world.

Polyglot needs a new web application that offers these features:

- The ability to list languages by country sorted by population speaking the language with official languages noted
- The ability for local translators to self register
- The ability for local translators to edit their profile
- The ability for local translator to delete their profile
- The ability to search for translators by location and language
- The ability to list local translators by location and language sorted by language competency (CEFR)

Requirements

The web application has the following requirements:

- The first version of the application should be in English, but support for international should be considered
- The local translators database records will need to include:
 - Name
 - Email
 - Phone
 - Location
 - List of languages along with competency level
 - Date of creation/update
- Support for Mobil devices should be considered, please consider these screen sizes:

Size	Viewport Width	Typical Devices / Context
Extra-Small	320 px	Small smartphones
Phone	480 px	Newer flagship phones
Tablet	768 px	Tablets
Laptop	1024 px	Laptops & smaller desktop monitors
Large Desktop	1280 px and larger	Full HD (1920×1080) and 4K displays

Requests

The Web Application code base should be:

- Modular
- Documented well
- Tested well
- Support accesibility

The Common European Framework of Reference for Languages (CEFR)

The **CEFR** scale has six tiers grouped into three broad categories:

Basic User (A1 & A2):

A1 (Beginner): Understands basic everyday expressions and can introduce themselves.

A2 (Elementary): Can communicate in routine tasks and understand simple, direct information.

Independent User (B1 & B2):

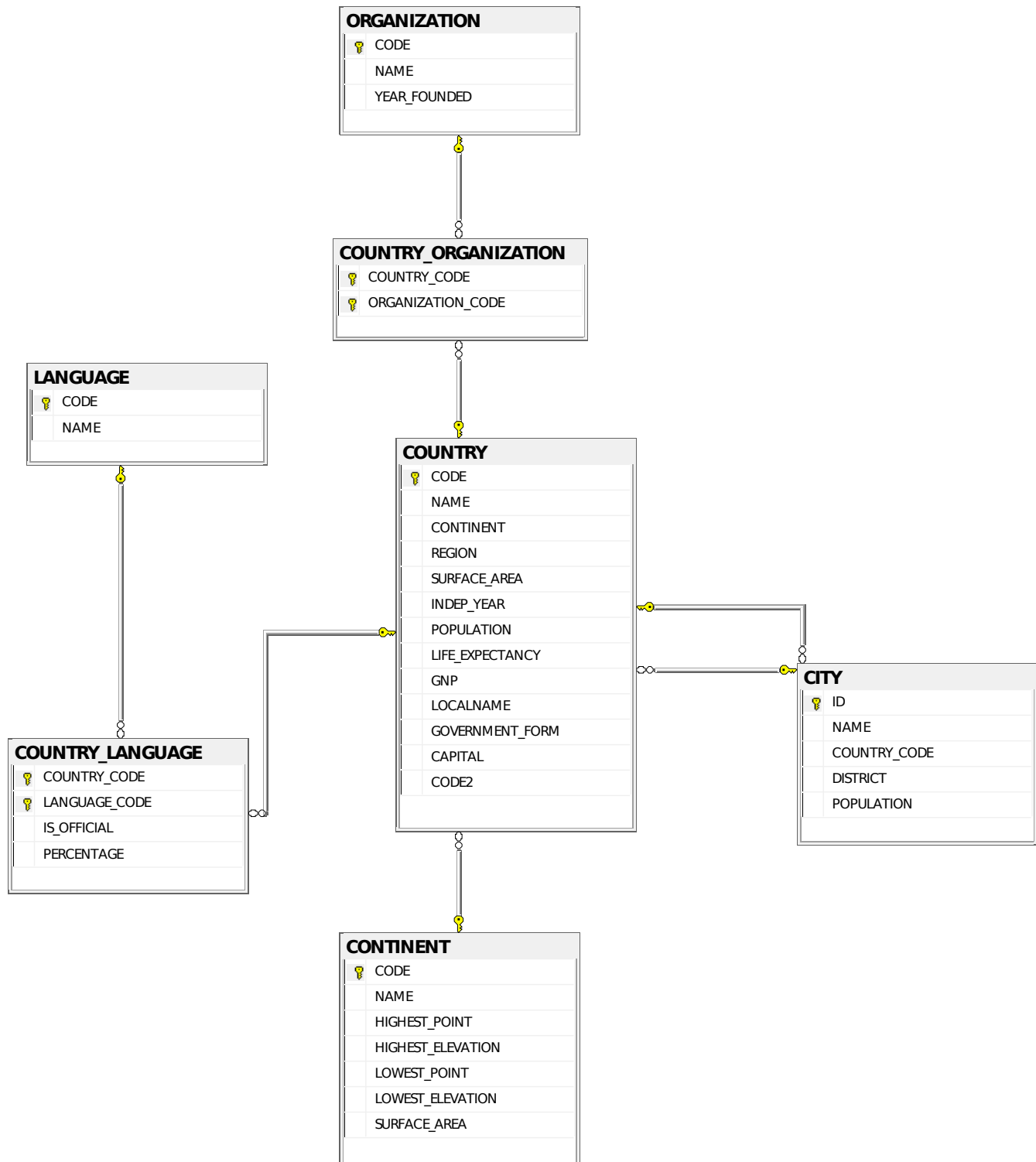
B1 (Intermediate): Can handle most travel situations, write simple texts, and express main points on familiar topics.

B2 (Upper-Intermediate): Understands complex text, can hold natural conversations with native speakers without straining, and can express abstract ideas.

Proficient User (C1 & C2):

C1 (Advanced): Understands demanding, longer texts and expresses ideas fluently and spontaneously for professional or academic purposes.

C2 (Proficiency): Near-native fluency. Can understand virtually everything read or heard and nuance finer shades of meaning.



The existing Polyglot SQL Server database structure