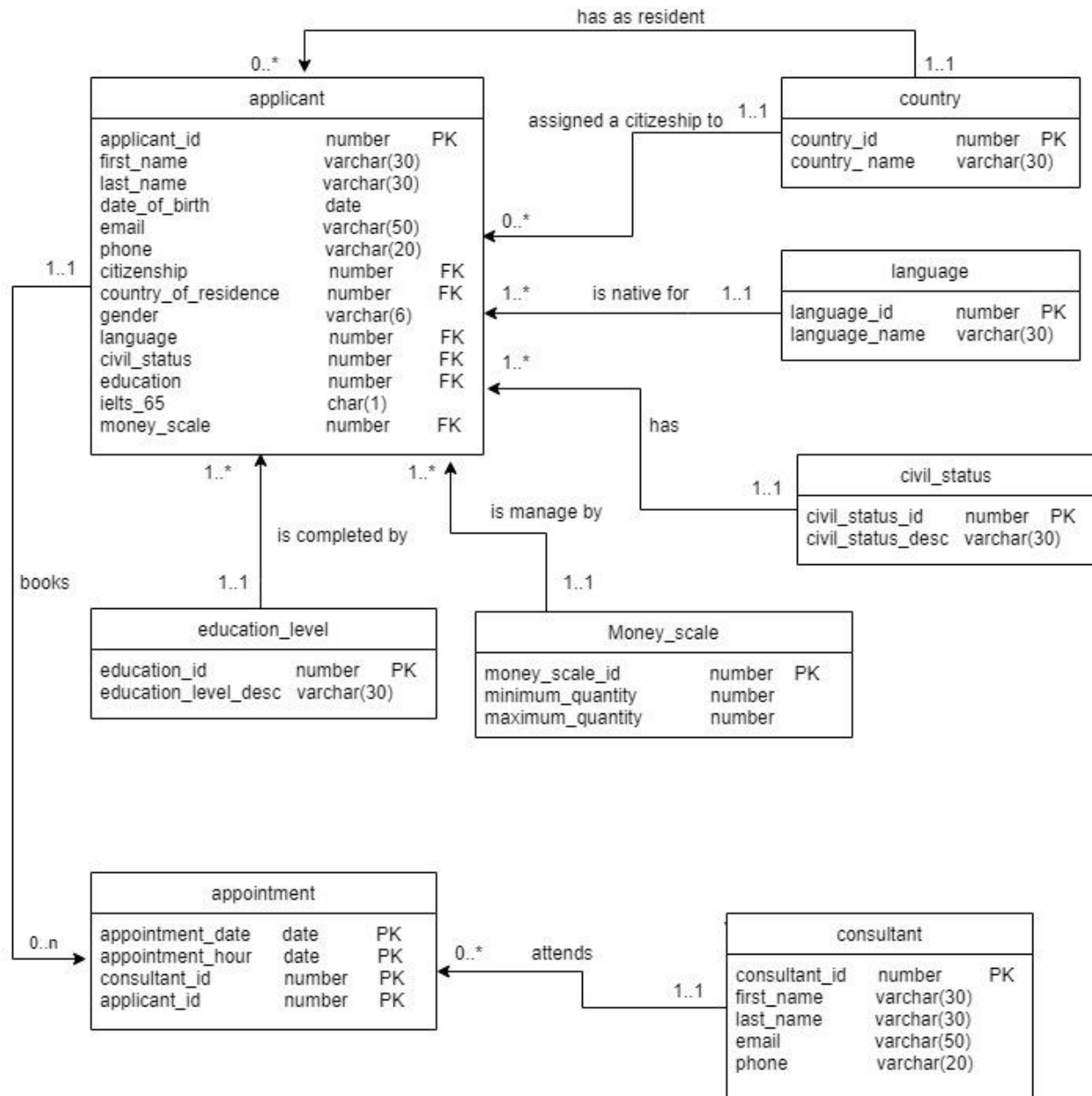


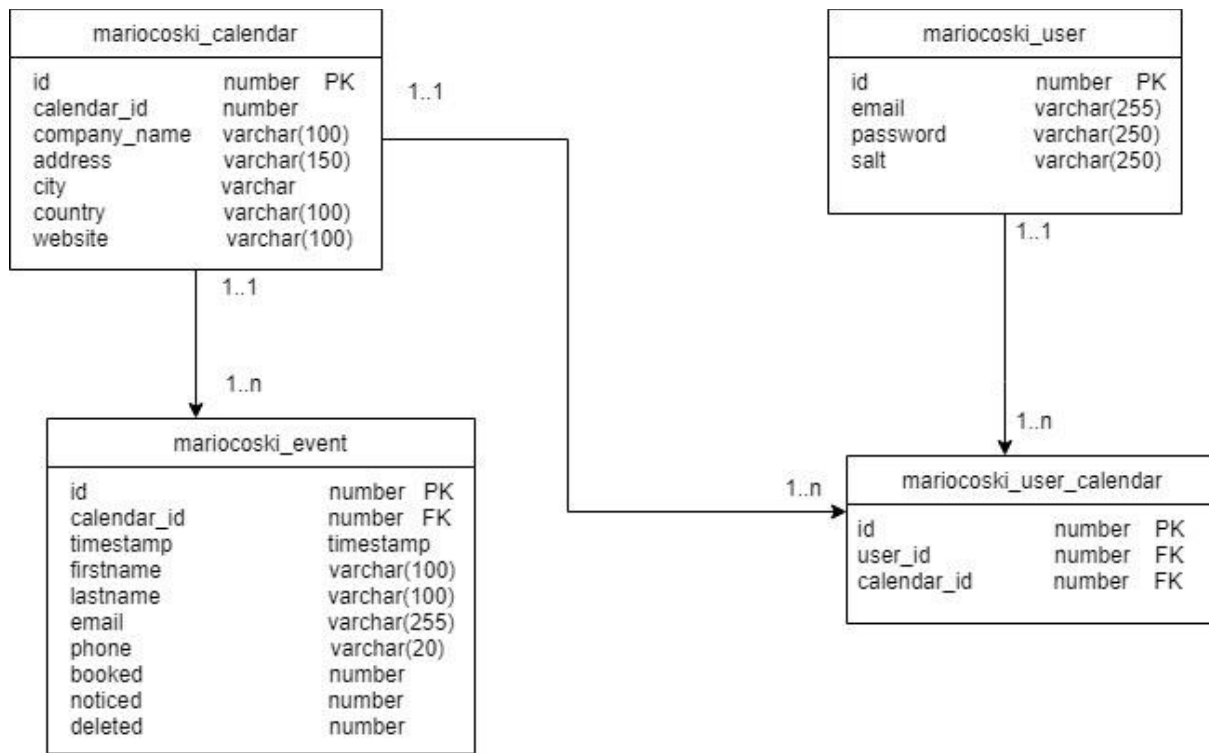
## Project: Immigration self evaluation test

This project will allow a person who wants to come to Canada to know if he/she can come as a student or as a tourist providing some personal information. In a second phase, the appointment will allow the user to book and appointment with a consultant. This module will be implemented by adapting the Mariocoski Bootstrap Calendar application.

### Immigration self test Entity-Relationship Diagram



## Mariocoski Bootstrap Calendar Entity-Relation Diagram



## Immigration self test Entities

**Applicant:** Information related to a person who wants to come to Canada

Applicant (***applicant\_id***, first\_name, last\_name, date\_of\_birth, email, phone, citizenship, country\_of\_residence, gender, language, civil\_status, education, ielts\_65, money\_scale)

**Country:** World Countries names

Country (***country\_id***, country\_name)

**Language:** World Languages

Language (***language\_id***, language\_name)

**Civil\_Status:** Civil status

Civil\_status (***civil\_status\_id***, civil\_status\_desc)

**Education\_level:** Degree education level

Education\_level (***education\_id***, education\_level\_desc)

**Money\_scale:** Scale of minimum and maximum money quantities

Money\_scale (***money\_scale\_id***, minimum\_quantity, maximum\_quantity)

**Consultant:** Canadian regulated immigration consultant

Consultant (***consultant\_id***, first\_name, last\_name, email, phone)

**Appointment:** Applicant appointments with a consultant

Appointments (***appointment\_date***, ***appointment\_hour***, ***consultant\_id***, ***applicant\_id***)

## Relationships

Country – Applicant: a country assigns a citizenship to an applicant and an applicant has a country of citizenship

Country – Applicant: a Country has residents and an applicant resides in a country

Language – Applicant: a language is native for an applicant and an applicant has a native language

Civil\_status – Applicant: a civil status is assigned to an applicant and an applicant has a civil status.

Money\_scale - Applicant: a money scale is managed by an applicant and an applicant has a money scale income.

Education\_level - Applicant: a highest education level is complete by an applicant and an applicant complete an education level

Applicant – Appointment: an applicant books an appointment with a consultant in a specific date and hour and a consultant attends an applicant

Consultant – Appointment: a consultant attends an applicant who requests an appointment

## Applicant

Attribute	Data type	Mandatory	Description	PK/FK	Referenced Table
applicant_id	integer	not null	Unique identifier assigned to an applicant	PK	
first_name	varchar(30)	not null	Applicant name		
last_name	varchar(30)	not null	Applicant last name		
date_of_birth	date	not null	Applicant date of birth		
email	varchar(50)	not null	Applicant email		
phone	varchar(20)	not null	Applicant phone integer		
citizenship	integer	not null	Applicant birth country	FK	Country
country_of_residence	integer	not null	Applicant county of residence	FK	Country
gender	varchar(6)	not null	Applicant gender (Male/Female)		
language	integer	not null	Applicant native language	FK	Language
civil_status	integer	not null	Applicant civil status	FK	Civil_status
education	integer	not null	Applicant high level of education	FK	Education_level
ielts_65	char(1)	not null	Applicant IELTS certificate (Y/N)		
money_scale	integer	not null	Applicant scale of annual income	FK	Money_scale

## Country

Attribute	Data type	Mandatory	Description	PK/FK
country_id	integer	not null	Unique identifier assigned to a country	PK
country_name	varchar(30)	not null	Country name	

## Language

Attribute	Data type	Mandatory	Description	PK/FK
language_id	integer	not null	Unique identifier assigned to a language	PK
language_name	varchar(30)	not null	Language	

## Civil\_status

Attribute	Data type	Mandatory	Description	PK/FK
civil_status_id	integer	not null	Unique identifier assigned to a civil status	PK
civil_status_desc	varchar(30)	not null	Civil status	

### Money\_scale

Attribute	Data type	Mandatory	Description	PK/FK
money_scale_id	integer	not null	Unique identifier assigned to a budget	PK
minimum_quantity	integer	not null	Minimum quantity for a scale	
maximum_quantity	integer	not null	Maximum quantity for a scale	

### Education\_level

Attribute	Data type	Mandatory	Description	PK/FK
education_id	integer	not null	Unique identifier assigned to a level	PK
education_level_desc	varchar(30)	not null	Education level description	

### Consultant

Attribute	Data type	Mandatory	Description	PK/FK
consultant_id	integer	not null	Unique identifier assigned to a legal consultant	PK
first_name	varchar(30)	not null	Consultant first name	
last_name	varchar(30)	not null	Consultant last name	
email	varchar(50)	not null	Consultant email	
phone	varchar(20)	not null	Consultant phone	

### Appointment

Attribute	Data type	Mandatory	Description	PK/FK	Referenced Table
appointment_date	date	not null	Appointment day	PK	
appointment_hour	time	not null	Appointment hour	PK	
consultant_id	integer	not null	Legal consultant id	PK/FK	Consultant
applicant_id	integer	not null	Applicant id	PK/FK	Applicant