Immigration self evaluation test - Web Application for the Website
www.immigrative.ca

Project description

This application will give potential immigrants the chance to evaluate their immigration chances by filling a form that will execute a program that will compare the user-inserted data with the selection parameters and it will return to the client, if he's or not a potential immigrant in two specific immigration programs that we going to set for this project exercise.

In the answer the applicant will receive an automatic response that shows which is the best program according to their profile. Factors such as age, country, financial resources, provinces and marital status will be evaluated to provide the user within seconds with an official answer.

At least three use cases (or user stories)

- Through the application the user can insert his personal information to evaluate his own profile and the user will receive by email, the results based in his information evaluated by our application and also, it will print a message on the screen for the user with this information and feed the database at the same time
- The user can also on the same page to book an appointment with a Canadian Regulated Immigration Consultant.
- The application will have links connected to government websites and useful information to any immigration application process.

Technology (development and production environment)

DRAW.IO	to make the application Entity-Relationship diagram.
ATOM	as a text file editor for HTML, CSS and JAVASCRIPT codes.
GIT	as a Control Version Application.
Bootstrap	to replicate common elements using in web pages.
PHP	to access the database.
XAMPP	to create a local web server for testing purposes.
Mysql	to create the database
phpMyAdmin	to administrate MySQL over the Web.

Data sources

Countries: https://www.lawebdelprogramador.com/codigo/Otros/1569-Listado-de-Paises.html

Code repository

Development schedule (hours budget should include learning new technology)

Activity	Date	Suggested Tools
Introduction, Installation and coding tutorial about the suggested software kit to develop the web application project	**From 2 to 8 May 2019**	DRAW.IO ATOM XAMPP Git/Github Bootstrap phpMyAdmin JScript
Web application development process (check chart schedule 1)	**From 9 to 16 May 2019**	
Evaluation	**17 May 2019**	

Team members
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Licensing

Web Project Management Program

Task Name	Duration/h	Date
Project subject choice	2	02-May
Introduction, Installation and coding tutorial about the suggested software kit to develop the web application project	4	04-May
Installation and implementation at home	12	
Bootstrap	2	06-May
Atom	2	
Filling project description	4	
Installation and implementation at home	4	
Reintroduction to Versioning control with Git	4	07-May
Project proposal design, including subject, project scope including description, activities, functions individual and group), tasks and deadlines.	6	
UML and logic model design	4	
Web Project Management Program design: specifications, description and task time projection	4	
Demonstration and assessment to use phpMyAdmin and database integration Installation and integration exercise	4	08-May
UML development of following entities: Aplicants – Country – Language – Civil Status – Money Scale – Appointment - Consultant	8	
Web Project Management Program design correction: specifications, description and task time projection	4	
UML Delivery and review	3	
Database development: Insert data for Countries, Languages, Civil_status, Money_scale, Education_level, Consultant	3	09-May
Front-end Development: Principal web page, form page, Admin page	6	
UML Delivery and review	2	
Form elaboration: final user form, admin form	4	10-May
(Back-end development) Insert applicant data into Applicant table	6	
(Back-end development) Procedure: check what type of Visa does the applicant could apply	6	
(Back-end development) Send the answer to the user	6	
(Back-end development) Procedure: make an appointment	6	
(Back-end development) Procedure: update adminitrator tables	6	
Progress review	1	11-May

Back-end optimization	6	
Back-end optimization	4	13-May
Front-end detailing	6	14-May
Implementation - integration	18	15-May
Project Review	4	16-May
Presentation	1	17-May
TOTAL HOURS	**152**	