**Immigration self evaluation test - Web Application for the Website**

[**www.immigrative.ca**](http://www.immigrative.ca)

Comments by Tassia in red. No comments in a particular section means “all is good” ;-)

**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. Please save the user information in the database, to be able to generate reports later.
* 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**

Carolina del Pilar, Cadena Rojas

Eduardo Jose, Amador Caballero

Elizabeth Fernandez de Ordonez

**Licensing**

   This application let to know to which program a person can apply to go to Canada

   Copyright (C) 2019  Cadenas, Carolina. Amador, Eduardo. Elizabeth, Fernandez.

   This program is free software: you can redistribute it and/or modify

   it under the terms of the GNU General Public License as published by

   the Free Software Foundation, either version 3 of the License, or

   any later version.

   This program is distributed in the hope that it will be useful,

   but WITHOUT ANY WARRANTY; without even the implied warranty of

   MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the

   GNU General Public License for more details.

   You should have received a copy of the GNU General Public License

   along with this program.  If not, see <<http://www.gnu.org/licenses/>>.

Web Project Management Program

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Step Sequence | Task Name | Duration | Start | Finish | Responsable |
| 1 | * Project subject choice | 2 h | May 2 | May 2 | All team |
| 2 | * Introduction, Installation and coding tutorial about the suggested software kit to develop the web application project | 20 h | May 2 | May 8 | Tassia Araujo (instructor) - All team |
| *In class training activities:*   * Global introduction and tools presentation * LAMP (Linux+Apache+MySQL+PHP) * PHPMyAdmin * Versioning control with Git * PHP fundamentals * Accessing MySQL through PHP | 4 h | May 4 | May 4 | Tassia Araujo (instructor) - All team |
| *Individual first attempt of installation and implementation at home*   * LAMP / XAMPP (Linux(Windows)+Apache+MySQL+PHP) * PHPMyAdmin * Versioning control with Git * \* Bootstrap Overview, Install libraries Method 1 and review some files | Elizabeth  5.5 h  \* 2.2 h  Carolina  3.5 h  Eduardo  5 h | May 5    May 6  May 5 | May 5    May 6  May 6 | All team |
| 3 | *In class training activities:*   * Responsive front-end with Bootstrap, first practice at classroom * Atom installation and implementation * Filling project description | 4 hours    1 hour | May 6    May 6 | May 6    May 6 | Tassia Araujo (instructor) - All team    Elizabeth |
| *Individual first attempt of installation and implementation at home*   * Responsive front-end with Bootstrap * Atom installation   \* Initial front-end design attempt | Elizabeth  3 h  Carolina  2.5 h  Eduardo  1 h    \* 2 h | May 6  May 6  May 5 | May 6  May 6  May 6 | All team |
| 4 | *In class training activities:*   * Reintroduction to Versioning control with Git *(Instructor)* * Installation and integration exercise | 2.5 hours | May 7 | May 7 | Tassia Araujo (instructor) - All team |
|  | *In class development activities:*   * Project proposal design, including subject, project scope including description, activities, functions (individual and group), tasks and deadlines. * UML and logic model design      * Web Project Management Program design | .0.5 h    1 h  1 h  2 h | May 7    May 7  May 7  May 7 | May 7    May 7  May 7  May 7 | All team    Elizabeth & Carolina  Eduardo |
| 5 | *In class training activities:*   * Demonstration and assessment to use phpMyAdmin and database integration * Installation and integration exercise | 2 h | May 8 | May 8 | Tassia Araujo (instructor) - All team |
| *Individual work at home:*   * UML and database development * Front-end Development | 3 h  3 h | May 8  May 8 | May 8  May 8 | Elizabeth & Carolina  Eduardo |
| *In class development activities:*   * UML Delivery and review * Front-end Development | 2 h | May 8 | May 8 | All team |
| 6 | *In class training activities:*   * Progress Review | 2 h | May 9 | May 9 | Tassia Araujo (instructor) - All team |
| *Individual work at home:*   * Database development * Form elaboration      * Front-end Development | 3 h  3h | May 9  May 9 | May 9  May 9 | Elizabeth & Carolina  Eduardo |
| *In class development activities:*   * UML Delivery and review * Front-end Development | 2 h | May 9 | May 9 | All team |
| 7 | *Individual work at home:*   * Database and PHP development * Front-end Development | 3 h | May 10 | May 10 | All team |
| 8 | *In class training activities:*   * Progress Review | 2 h | May 11 | May 11 | Tassia Araujo (instructor) - All team |
|  | *In class development activities:*   * Database and PHP development development * Front-end Development | 2 h  2h | May 11  May 11 | May 11  May 11 | Elizabeth & Carolina |
| 9 | *In class training activities:*   * Progress Review | 2 h | May 13 | May 13 | Tassia Araujo (instructor) - All team |
| *Individual work at home:*   * Back-end development      * Front-end detailing | 3 h  3 h | May 13  May 13 | May 13  May 13 | Elizabeth & Carolina  Eduardo |
| *In class development activities:*   * Implementation - integration | 2 h | May 13 | May 13 | All team |
| 10 | *In class training activities:*   * Progress Review | 2 h | May 14 | May 14 | Tassia Araujo (instructor) - All team |
| *Individual work at home:*   * Implementation - integration | 4 h | May 14 | May 14 | All team |
| *In class development activities:*   * Implementation - integration | 2 h | May 14 | May 14 | All team |
| 11 | *In class training activities:*   * Progress Review | 2 h | May 15 | May 15 | Tassia Araujo (instructor) - All team |
| *Individual work at home:*   * Implementation - integration | 4 h | May 15 | May 15 | All team |
| *In class development activities:*   * Implementation - integration | 2 h | May 15 | May 15 | All team |
| 12 | *In class training activities:*   * Progress Review and Fixing application bugs | 2 h | May 15 | May 15 | Tassia Araujo (instructor) - All team |
| *Individual work at home:*   * Finalization, Fixing application bugs | 4 h | May 15 | May 15 | All team |
| *In class development activities:*   * Fixing application bugs | 2 h | May 15 | May 15 | All team |
| 13 | *In class training activities:*   * Progress Review and Fixing application bugs | 2 h | May 16 | May 16 | Tassia Araujo (instructor) - All team |
| *Individual work at home:*   * Finalization, Fixing application bugs | 4 h | May 16 | May 16 | All team |
| *In class development activities:*   * Fixing application bugs | 2 h | May 16 | May 16 | All team |
| 14 | Presentation | 0.5 h | May 17 | May 17 | All team |
|
|

Please break down the tasks of each major task, and estimate the team working hours for each

* Front-end: which pages to you need to create?
* Database: UML, tables creation and sample queries
* Back-end: which classes do you think you will need? Which info do you need to extract or to save in the database to respond to your application requirements? Can you think of a list of functions/procedures that will be needed?

Also, you did not budget time for preparing the presentation.

Lastly, missing total of hours.

Please provide a revised plan, in a single-page table (include the tutorial hours as the learning time for a specific topic), and upload it to your git repo.