Project Charter

Team Number: 3

Team Member Names: Hu Xiao, Jun He, Jian Gong

Team Name: Innovisionaries

Date: 2024-05-16

The project charter represents the first blueprint of the system. It is a statement of intent by your client regarding their desire to develop a software solution.

## Business Purpose

*The purpose of this project is to develop an enhanced immigration advisory system that reduces costs for clients, provides professional advice and accurate eligibility assessments, offers real-time updates on immigration policies, and delivers multilingual support through AI translation. This system addresses clients' challenges, including high fees, language barriers, internet restrictions, and incorrect self-assessments.*

## Project Roles/Responsibilities

*These represent the roles and names of each member of the team and the responsibilities that each has. Include users who will assist with the project.*

|  |  |
| --- | --- |
| **Team Member Name** | **Project Role** |
| Hu Xiao |  |
| Jun He |  |
| Jian Gong |  |

## Feature List

## *1 The system must provide cost-efficient immigration advisory services.*

## *2 The system must generate detailed reports assessing client eligibility for various immigration programs, including provincial nomination scores and Express Entry scores.*

## *3 The system must offer real-time updates on the latest immigration policies by scraping immigration websites.*

## *4 The system must provide AI translations of original English web content into the client's local language.*

## *5 The system must ensure clients can access information despite internet restrictions in their home countries.*

## System Objectives

## *1 All eligibility assessment transactions must provide a response time of less than 2 seconds.*

## *2 The web scraping system must update immigration policy information at least once every 24 hours.*

## *3 The AI translation service must achieve at least 90% accuracy in translating immigration-related content.*

## Project Critical Success Factors

## *1 A reduction in client service fees of at least 20%.*

## *2 Accurate and reliable eligibility assessments and recommendations.*

## *3 Real-time updates on immigration policies.*

## *4 High client satisfaction with translated content.*

## *5 Compliance with legal and ethical standards for web scraping.*

## Preliminary Technical Architecture

*Programming Language: Java, Python*

*Web Framework: SpringBoot*

*Database: MySQL*

*Web Scraping Tools: Beautiful Soup*

*AI Translation:*

*Hosting: Cloud VPS*

## Event Table

*A catalogue of use cases that lists events in rows and key pieces of information about each event in columns. The event table lists the business events that are to be part of the software solution.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Event* | *Trigger* | *Source* | *Use*  *Case #* | *Use Case* | *Response* | *Destination* |
| Client register | Client register | Client | *UC01* | Register User | Create new user | Client |
| Client login | Client Login | Client | *UC02* | Login User | Login user | Client |
| Client requests eligibility assessment | Eligibility Request | Client | *UC03* | Assess eligibility. | Detailed eligibility report | Client |
| Immigration policy update | New policy posted | *System* | *UC04* | Update policy database. | Updated policy information | *System Database* |
| Translation request | Content upload | Client | *UC05* | Translate content | Translated content | Client |
|  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Explanation of table fields **(remove this before submitting):**

* Event: the event that causes the system to do something.
* Trigger: how does the system know the event occurred? For external events, this is data entering the system. For temporal events, it is a definition of the point in time that triggers the system processing.
* Source: for an external event, the actor is the source of the data. For temporal events, leave it blank.
* Use Case: what the system does when an event occurs?
* Response: output or result produced by the system.
* Destination: an agent who gets the output produced.

## Reference

Satzinger, J., Jackson, R., Burd, S.D. (2008). Systems Analysis and Design in a Changing World (5th ed.). Course Technology. p. 169.