PROJECT DESCRIPTION

Global Trade Visualizer

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# Background description

X

# Definition of purpose

The purpose of the project is to make accessible to the lay person the opportunity to draw insights from the available online information about international imports and exports.

# Problem Statement

Below, there are some overall questions that encompass the final goal of the project.

**Overall Question**: How to present, in a user-friendly manner, trade information between countries?

**Sub-Question**: How to select relevant data provided by external APIs?

**Sub-Question**: How will the selected relevant data be stored?

**Sub-Question**: How will the components communicate between each other?

# Delimitation

-The system will not make predictions on current data

-The system will not handle planning of supply chain

-The system will not contain all internationally recognized countries

# Choice of models and methods

|  |  |  |
| --- | --- | --- |
| What? | Why? | Which? |
| What external APIs to select to get relevant data? | To programmatically access online information. | Any officially recognized source of information on the subject (ex: WITS) |
| What will be stored in the database? | To reduce strain on information providers. | SQL Server. |
| What components will communicate between each other? | To ensure scalability and maintainability. | REST APIs with rendering application primarily. |

# Time schedule

10 ECTS = X Hours per Student

X hours in total (3 students)

Project Deadline: Xth of December 2020

Finalized Project Description: X

Preparing the environment for the project: X

First Product Backlog: X

Sprinting starts: X

There will be X sprints until the Xth of December

Each sprint will be composed of X days, X hours per person

X hours per week for all the team

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Risks | Description | Likelihood  Scale 1-5  5 = high risk | Severity  Scale 1-5  5 = high risk | Risk mitigation  e.g. Preventive & Responsive actions | Identifiers | Responsible |
| Risk not to meet the requirements | Lack of time, poorly made schedule, insufficient knowledge; | 2 | 5 | Preventive:  Proper management of the requirements; Respect the schedule;  Responsive:  Accomplish what was agreed on; | Being behind the schedule; | Andrei |
| Technical issues | Software crashes, broken computers, unsaved files; | 3 | 5 | Preventive:  Having everything backed up on GitHub;  Responsive:  Restore data from GitHub; | Corrupt data; | Claudiu |
| Group conflicts | Fights and disagreements between members; | 1 | 4 | Preventive:  Follow Group Contract;  Responsive:  Try to compromise; |  | Stefan |

# Risk assessmen

# Bibliography