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PROJECT PLAN VERSION2

Inholland University of Applied Science: Project Web Science

Project By:

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# Introduction

Mathematical engineering is based on developing application models for finding desirable solutions to real-life problematic situations. While working towards the development of an application, one comes across several challenges which change the approach of the development. Challenges can be encountered when determining the (model) of the application. Parameters of the model are to be divided into categories. Therefore, due to the level of complexity, that the model may hold, it is mandatory to not only implement an application which gives output as statistical numbers but as graphs.

# 1.1. Context

# 1.2. Purpose

The intention of this paper is to work towards a possible solution of a problem, which has been taken from the emigration and immigration status of the citizens who have an American nationality and the citizens whose nationality underlies as one of the middle-eastern countries. The solution will be implemented based on a mathematical graph models, … graphical illustrated and will hold the predicted effects of the proposed measures on the ecosystem.

# 2. Central research question and sub-questions

# 2.1. Research Question

The Main Research Question for this research paper is based on the immigration and emigration between America and middle-eastern countries:

How will the immigration and emigration ratios between the USA and middle-eastern countries affect citizen national demographics?

# 2.2. Research Sub-questions

The research sub-questions are questions which derive from the main research question and provide the path to the answer of the research paper.

Sub-Research Questions for this research paper:

1. What are the current national demographics in the USA and middle-eastern countries?
2. What are the immigration and emigration rates of the USA to and from each middle-eastern country?
3. What Graph Theory aspects can be implemented to have a better understanding of the immigration and emigration rates?

# 3. Methodology

# 4. Outline Project

# 4.1. Schedule

|  |  |  |
| --- | --- | --- |
| Week | Activity | Milestone |
| 1 | * Kick-off of the project * Create Project Plan * Setup GIT repository | * Roles defined * Project plan draft ready * GIT repository available |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |

# 4.2. Work Division

|  |  |
| --- | --- |
| Name | Position |
| Adu, Stephen |  |
| Andreicha, Semida |  |
| Buaron, Tal |  |
| Boswijk, Marik |  |

# 5. Contact Information

|  |  |
| --- | --- |
| Name: | Vera Hollink |
| E-mail: | [vera.hollink@inholland.nl](mailto:vera.hollink@inholland.nl) |
| Meeting Schedule: | Every Friday face to face. |
|  |  |
| Name: | Koos van Tubergen |
| E-mail: | [koos.vantubergen@inholland.nl](mailto:koos.vantubergen@inholland.nl) |
| Meeting Schedule: | Every Friday face to face. |
| Name: | Adu, Stephen |
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| Meeting Schedule: | On social media any time. |
|  |  |
| Name: | Andreicha, Semida |
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| Meeting Schedule: | On social media any time. |
|  |  |
| Name: | Buaron, Tal |
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|  |  |
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|  |  |

# 6. Bibliography