Project Plan

Drugs, Alcohol and all the other awesome things in The Netherlands for tourists

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Wednesday, April 18, 2018

Version 1.1

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# Introduction

In this project plan we are going to describe how we are going to finish the project successfully. First we are going to describe the situation we are in and what the problem is. After that we will tell you what our goal is, what the preconditions are and the methods we are going to use to finish the project. In the last chapters we will tell you about the risks, the planning and task distribution and contact information.

# Context

In the Netherlands we have some tourists whom come for the freedom we have here. These tourists mainly come for the red light district, free laws on drugs/alcohol and consume it as much as they please. This is a major problem; the tourists do not know the rules and do not exactly know how much alcohol/drugs lethal is. We, a group of students like to inform these tourists what the rules are and how much drugs/alcohol they can take by a web application.

## Situation in the organization

We are a group of students whom study mathematical engineering at Inholland in Diemen. We are a group of students each member with its own strong point, one is good at working with databases, the other at web applications and one is good at doing research, we complement each other. By combining these skills we are able to make a web application for the tourists and prevent them from breaking the law or ending in the hospital.

## Problem statement

Tourists know how much is allowed or at least tolerated, but many things are illegal and repressed. They might also be dangerous to their health if consumed more than one is used to.

# Goals of the project

## Objectives

To tackle the problem stated in the previous chapter, we will need to make a web application for tourists with the required information to not let them end up in jail or the hospital in the Netherlands.

## Main research question and subquestions

How to make a web application for tourists with a database that provides the laws, risks of drugs and what to do and what not.

1. How to make a database?
2. How to link the application and database?
3. How to let the users compare their own country rules with the rules of the Netherlands?
4. How do we track which pages the users has visited?
5. What are the risks, law, drugs and what to do and what not in the Netherlands?

# Methodology

This chapter describes how the subquestions – and hence the main question – are going to be answered in such a way that the way is repeatable and the results proven, not assumed or using a D*eus ex Machina* (hey, it works, so it must have been the correct solution.) We make a distinction between research strategy and research design. Instead of strategy and design, one can also combine it and describe methodology per subquestion. In that case, keep in mind to actually make the difference while figuring it out.

## Research Strategy

We will do a quantitative research in our project,

The research strategy is a general thing, applying to both main research question and all subquestions. It covers the kind of research (quantitative, qualitative) and the depth of it (exploratory, explanatory, predictive). It also describes how the validity and reliability of the data collection has been ensured.

## Research Design

1. How to make a database?

For creating a database we will use the book Database System Concept, the internet and ask Mr. Drillenburg if the first two options do not work.

1. How to link the application and database?

For creating a link to the database we will use the book Database System Concept, the internet and ask Mr. Drillenburg if the first two options do not work.

1. How to let the users compare their own country rules with the rules of the Netherlands?

We will use the book Database System Concept, the internet and ask Mr. Drillenburg if the first two options do not work.

1. How do we track which pages the users has visited?

For creating a track system we will use the internet and ask Mrs. Penning if the first option do not work.

1. What are the risks, law, drugs and what to do and what not in the Netherlands?

We will use the Internet and interview police and medical professionals to gain the data.

# Risks and solutions

## External risks

Those are the risks having a cause outside the project group, not under your control. The examples given before are external risks. You put those risks in the form of a table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk** | **Chance** | **Impact** | **Priority** | **Countermeasure** |
| Police/medical professionals to interview do not have enough time | 1 | 3 | 3 | Ask team lead to make the appointments. |
|  |  |  |  |  |
|  |  |  |  |  |

## Internal risks

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk** | **Chance** | **Impact** | **Priority** | **Countermeasure** |
| Members drop out | 2 | 6 | 12 | Don’t come late or violate the rules . |
| Group members all live far from each other | 2 | 4 | 8 | Come to school when we have class. |
| Not enough knowledge to make the database | 3 | 5 | 15 | Ask more questions from the tutors, other students or hit the books. |

# Task division and planning

## Product Breakdown

The product is a web application; the application is divided into a web browser and a database. The database needs to track users, what kind of pages they use in the application and it needs to have the risks, laws of the Netherlands.

## Work Breakdown

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **task** |  |  |  |  |
| Web browser |  |  |  |  |
| Data, risk, law |  |  |  |  |
| Data to compare with their own country |  |  |  |  |
| Track system for medical professionals and policy makers. |  |  |  |  |
| Track system |  |  |  |  |
| Compare database with own country. |  |  |  |  |

Each of the chunks identified needs some work to be created. Identify those steps, making sure to check the methodology all the time (it will contain most things to be done, just at a higher level of abstraction.) Create a list of those steps, filtering out the doubles. Make an estimate on the amount of work each step takes. Then order them in a way that will make certain you do them in the order enforced by the nature of the steps (things need to be done before other things.) You will need a 2D distribution for this.

# Contact information

List of group members and teachers involved, with email address and phone numbers.

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# References

The list with all literature having been used. Use the same style all the time; APA is preferred, and MS Word has templates for that. Other acknowledged styles are allowed.

Keep this list up-to-date all the time, don’t try ‘filling it in’ afterwards. Aim for high-level sources such as scientific papers or thorough, recent text books written by specialists in the field. Just technical sites are almost always weak sources, as they tend to be focusing on the ‘click here and type this’ approach instead of explaining why something is done that way and proving that as well.

Always refer to the original source whenever possible. When you use a pdf from a scientific paper, do not refer to the URL of the pdf, but to the original publication in a magazine.