**Food Social Media**

1. **Introduction**

The main goal of this application is to provide a social media platform for people to share and rate any food related images. Like any social media, the clients will be able to have friends and form groups to share their material. The purpose will be to offer a fun platform for people to interact with each other and view their food related interests. Another function is to provide restaurants an opportunity to view what the general public thinks about their menus and their evaluations.

1. **Project Scope**

This application will consist of personally owned profiles used to share their food desires. The profiles created can contain information about the user and their food appeal. The users will share pictures of plates that they eat in restaurants or that they made themselves. Together with the images there will be:

* Name given to the plate
* Brief description
* Information about the ingredients used
* Plate highlights
* Rating given by other users (visual appeal and plate desirability)
* Amount of image visualizations (by other users)

As in other social medias, this platform will offer different ways of navigation throughout the application. Users will be able to search for names of plates, descriptions, highlights, ingredients, top rated (daily, weekly, monthly, yearly or of all time) and most viewed plates.

The application will also offer a feed that shows posts using an algorithm that utilizes both tendencies of personal posts and frequent searches.

1. **Objectives**

* Create an interactable world map where the user can select a specific country to have its information displayed.
* Display information about the current weather on the current location.
* Display information about the time on the current location.
* Display a mini-map of each individual country.Allow access to information about the quantity and details of alumni on selected location.
* Create an idle function that displays information about randomly selected countries.
* Provide an entertaining way for the users to visualize information on whichever country is of interest.
* Substitute a static style of map displaying IUG’s alumni information that is already present at IUG with a dynamic map.
* Create an application that can be perpetually incremented to fulfill any desired functionality.

1. **Overall Function Description**

The overall function of this project is to offer any user the possibility to virtually visit any desired country and view entertaining and useful information such as, climate or time while also creating and connectivity experience between the user and IUG by showing them the alumni that came from the selected country.

1. **User Interface Design**

The objective of this application is to achieve the most user-friendly scenario possible. Using a familiar world map as the main display generates ease for the users to determine, with precision, what kind of information is desired. From this main page, the user will then select which country he wants to view with a simple mouse click. The secondary page, containing information on the selected country, will then present the user with details regarding the weather situation on the location, the precise time on the location, the quantity and details of the alumni that come from the country and a mini-map that displays the cities of the country.

1. **Database Design**

In this project, only one database will be used. The database will consist of information on the IUG alumni and this database will be provided by the IUG administration. The details gathered from the database will be; their name, the degree in which they graduated and the year of their graduation.

1. **Non-Functional Requirements**

* **Usability requirements:**
  + Internet connection
  + Mouse / Touchpad
  + High-resolution screen
* **Performance requirements:**
  + Fast enough processor to avoid long response times
  + Good internet connection to ensure fast interaction between the application and external information
* **Space requirements:**
  + Enough memory to store information (visual & written) for 195 countries
* **Dependability requirements:**
  + Reliable power source
  + Sturdy material (screen & mouse / touchpad) that can withstand prolonged usage periods
* **Environmental requirements:**
  + Use of material that is resistant to environmental challenges (only needed if application will be setup in an environment that has challenges such as extreme cold or extreme warmth)
* **Operational requirements:**
  + High capacity to report any issues regarding reliability / maintainability of the application
* **Development requirements:**
  + Maintain a consistent and robust documentation process
* **Regulatory requirements:**
  + Always be aware of possible patent-infringement possibilities