Requirements

Contents

Part 1: Elicitation of Requirements

The main users of this webapp would be hotel business owners - the main target audience. However, other members of the hospitality industry such as members of the food and beverages sector and t

Part 2: Requirements Documentation

Number	User Story	Acceptance Criteria	Functional/Non-Functional Requirements
US01	As a hotel business owner, looking to expand my global hotel locations, I want to identify, as well as the top country, the top 1 to 20 countries with the highest average number of tourist arrivals over the last 10 recorded years.	1. Display top 1 to 20 countries with highest average number of tourist arrivals over the last 10 recorded years. 2. A feature, such as a slider can be used to move between and display between top 1 to top 20 countries. 3. Data must be retrieved from the International Tourism number of arrivals database using an authenticated API.	Functional
	As a hotel business owner, I want to be able to access the webapp using any browser, particularly Google Chrome, Safari, Microsoft Edge, Firefox, Samsung Internet and Opera.	1. The webapp should support the last 3 versions of each of the top 6 most popular browsers [add ref]. 2.	Non-Functional
	As a hotel business owner, I want to visualize the trends and patterns for a country for levels of tourist arrivals over the years to ensure that my hotels succeed financially in the long term.	1. Search for a country name and return charts showing trends in tourist arrivals. 2. Chart/display options can be changed from showing the last 5 recorded years to show up to the last 10 recorded years. 3. Data must be retrieved from the International Tourism number of arrivals database using an authenticated API.	Functional
	As a hotel business owner, I want to post any opened locations and planned future locations, as well as my contact information, so that owners of other hospitality businesses like restaurants can contact me to open their restaurant within my new hotels. This can increase both of our profits and revenue.	1. An account must be created, with username and password. 2. In the account contact details can be entered, including name, business name, email address, business phone number, personal phone number (optional). 3. New location address entered by user and an optional image uploaded of the business logo and a similar hotel. 4. Webapp section with posted locations of upcoming hotel businesses is displayed, including posted location address, business name, email address and business phone number. 5. Details must comply with data protection legislation. [add ref]	Functional
	As a restaurant owner, I want to contact and communicate with the hotel owners to collaborate and open restaurants in popular locations with high levels of tourist arrivals.	1. Users can search for specific country names. 2. Search entries return the available posted locations and basic contact information of the hotel owners, including name, business name, email address and business phone number. 3. Users should not see the personal account details of the hotel business owners such as username, password but only posted location address, business name, email address and business phone number.	Functional
	As a hotel business owner, I want to	1. Display the 7 regions, ranked by number of	Functional

Commented [DD1]: Maybe remove recorded if it looks strange/difficult when actually designing app. E.g.

	identify regions with the highest number of tourist arrivals. Within each region, I would like to see which countries have the largest average number of arrivals in the last 10 years, so that I can open a chain of hotels in different countries in a chosen region.	tourist arrivals. 2. Search must allow for filter by regions. 3. For a chosen region, display the top 1 to 20 countries within the region for number of tourist arrivals. 4. Data must be retrieved from the International Tourism number of arrivals database using an authenticated API.	
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References:

For browser support: https://www.w3counter.com/globalstats.php?year=2022&month=10

For top 5 most popular browser: https://www.oberlo.co.uk/statistics/browser-market-share

Part 3: Requirements Prioritisation

The chosen method of prioritization is: