Project Documentation

Pandemic Nomad

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Saturday, 31. October 2020

Problem statement

The project idea of the "Pandemic Nomad" is based on the lack of a platform to provide travellers with correct, up-to-date information on travelling conditions in each country. As each country has very specific rules when it comes to Covid-19 (obligation to do a covid test, having to wear a mask,....), the lack of a platform that puts together all that information in one place is a necessity that should be addressed.

Solution pitch

Our project focuses on putting together all information on Covid-19 for travellers that want to visit a country and want to know what rules are implemented there depending on the departure country. For the pilot version we will only focus on some example countries, which can be chosen via a dynamical dropdown menu. The information will be shown as a table with sorted categories and external links. In addition an interactive map with information links and a contact form are implemented. The contact form could for example be utilized by the user to send important information and a request to update our database with specified information.
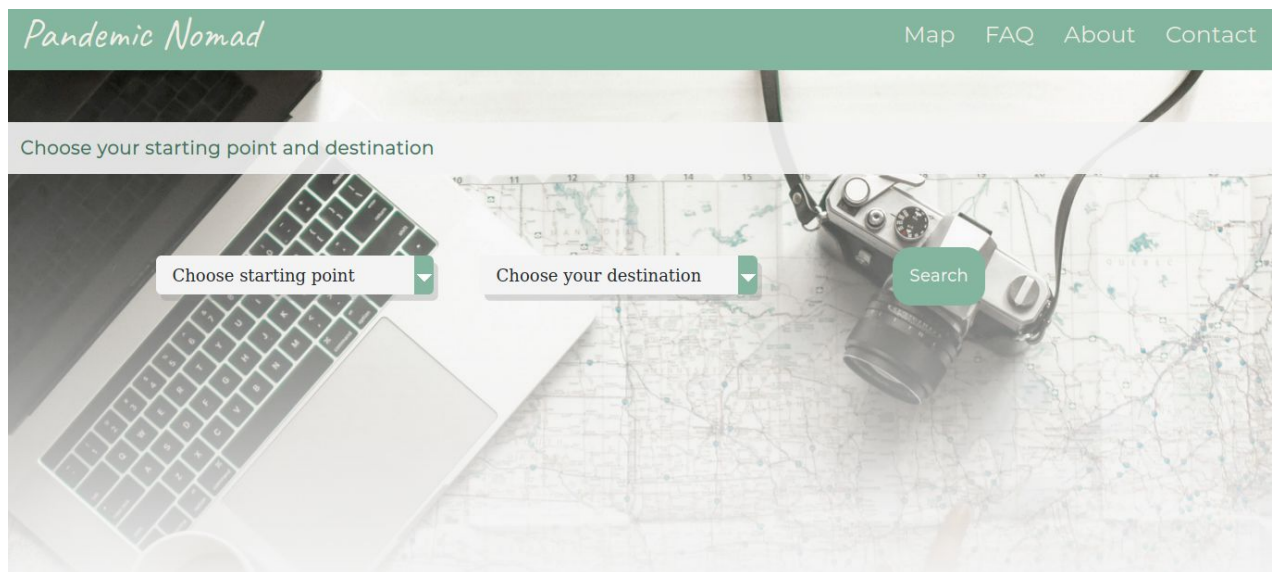
Impact

The "Pandemic Nomad" can have an enormous impact in today's world, as information regarding the pandemic is constantly changing in each country. In most cases the needed information is only updated in each country's national language on a locally known website, but lacks informative data in a readable format for visitors to that country, for example in a general language, like english. With this in mind, a solution that puts together the updated information for each country simplifies the work the traveller (or travelling agency, or even a hotel to provide specific services to their customers) has to do in order to safely travel to another region/country, ensuring that the traveller takes into account all the required measures to safely travel and avoid spreading / getting Covid-19. We believe that this website could be a suitable addition to the tools already existing with regard to Covid-19 information.

Results

The created code can be found in our github project TechLabs-codeathome and the link to the video can be found on Youtube. The project includes the html file "index", which contains the main functionality and creates the home page. In addition a folder "pages" was created in which the html files "Map", "Contact", "About" and "FAQ" are stored. For the style and functionality css, bootstrap, javascript and others are used. The data pulled for the information of interest is stored as a JS file which contains an array with country data.

Home Page

As shown in the image above, the homepage consists of a navigation bar which links to four other pages. Below that the user is able to use the dropdown menus to define the city of departure and arrival of their travel route. To get a result, both dropdown menus have to be used, otherwise an alarm will be shown. After selecting the countries/cities of interest, the user has to click the "Search" button to the right to load the information table. The page doesn't have to be reloaded, because the table is being dynamically pulled. The data itself is being pulled based on the chosen dropdown menus options from a local javascript file (for the purpose of this pilot project). The dropdown menu itself also uses this file to create the choosable options for both dropdown menus.
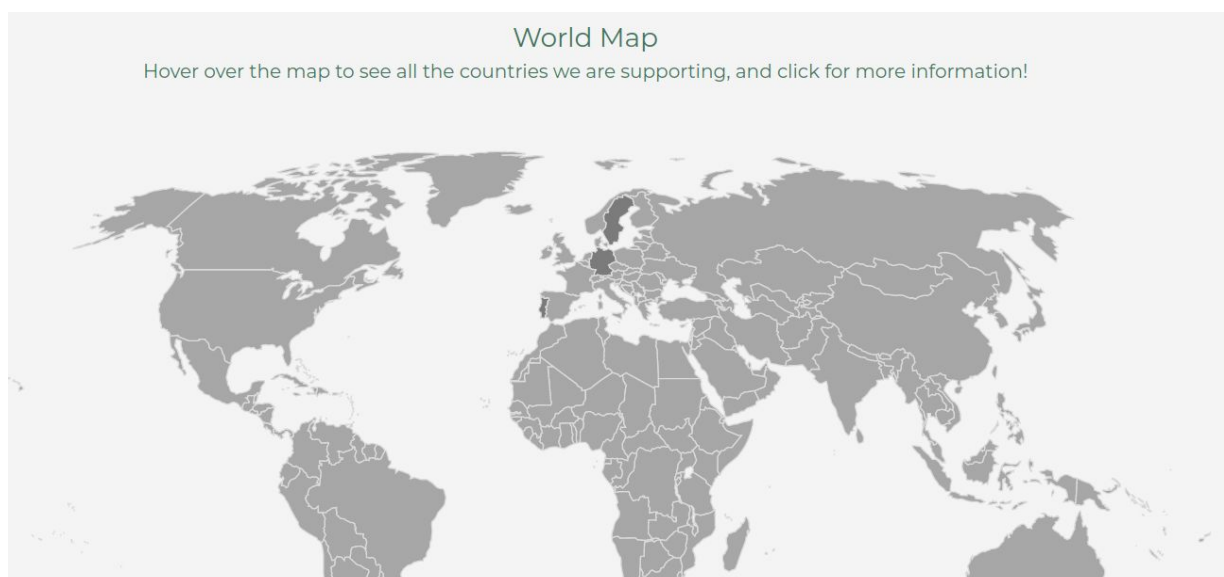
For the "Departure" information the five categories are "Departure Regulations", "Hygiene Regulations", "Other", "Further Links" and "Last Updated". The information shown for "Arrival" consists of the five categories "Entry Regulations", "Hygiene Regulations",

"Activity Regulations", "Further Links" and "Last Updated". Only the links consist of hyperlinks, which open a new tab with an external link with more information on the subject.

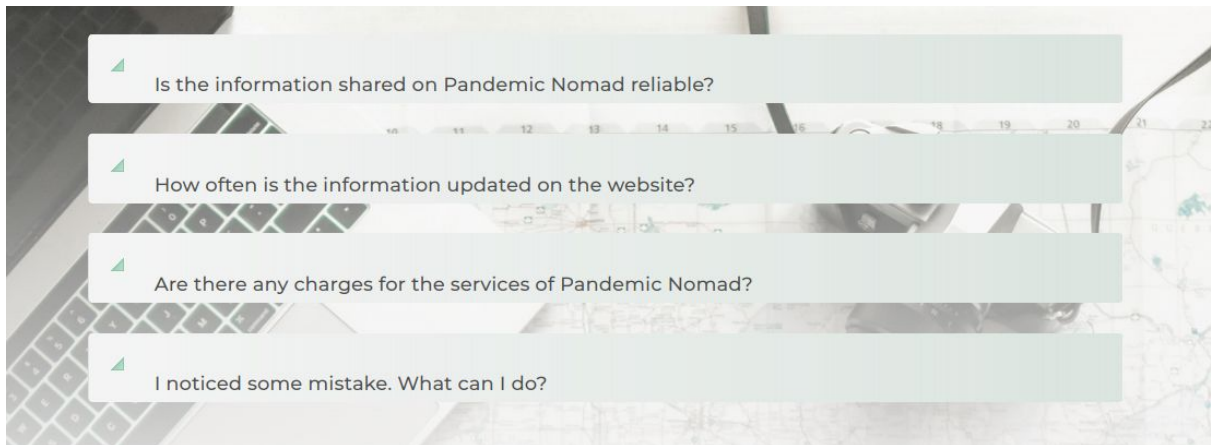| Germany - Dresden		Portugal - Madeira Island		Search
Departure:	**From: Germany - Dresden**	**Arrival:**	**To: Portugal - Madeira Island**	
Departure Regulations	For your departure the hygiene regulations for public transports have to be followed. The 7-day-inzidenz of Dresden si currently 63,2 per 100.000 residents (28.Oct, 2020).	Entry Regulations	You must present, at the time of arrival, a proof of laboratory test for screening for infection by SARS-CoV-2 with a negative result.	
Hygiene Regulations	The minimum social distance is 1.5 metres to people from other households. Mouth-and-nose coverings in enclosed spaces are necessary, example are: buildings with public access like shopping centers, public transport, shops and buisnesses. Outdoors mouth-and-nose coverings are required at local public transport stops, in railway stations and in highly frequented city centre area.	Hygiene Regulations	Masks are obligatory at all times. The Clean&Safe seal allows the identification of establishments and services that have implemented reinforced hygiene and safety measures.There is no quarantine requirement for travellers to Sweden.	
Other	As the current 7-days-inzidenz is over 50 per 100.000 residents the regulations have to be tightened (28.Oct, 2020).	Activity Regulations	Many activities are allowed with sometimes limited access.	
Further Links	More Information	Further Links	More Information	
Last Updated:	29.Oct, 2020	Last Updated:	20.Oct, 2020	

MAP Page

The page "Map" shows a world map. Each dark gray marked country is interactive and contains links inside in case there is information available in our database. The user can also click on such a country which will link to another website with further information about that specific country. By hovering over them the name of the country is shown.
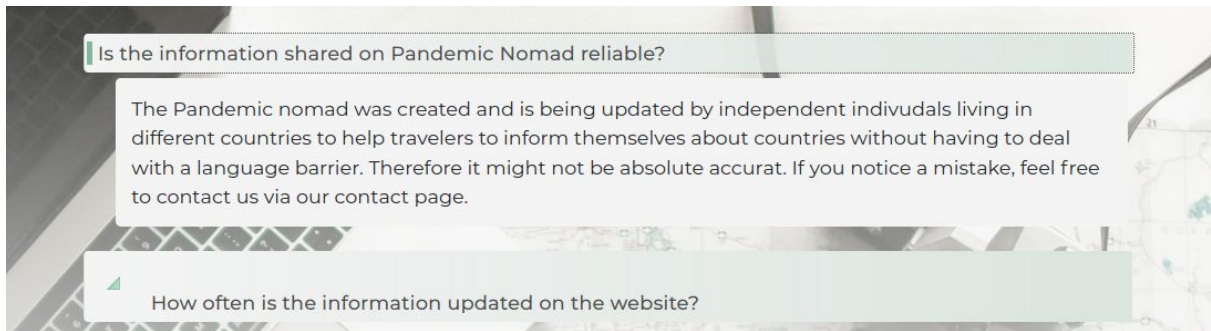

World Map
Hover over the map to see all the countries we are supporting, and click for more information!

FAQ Page

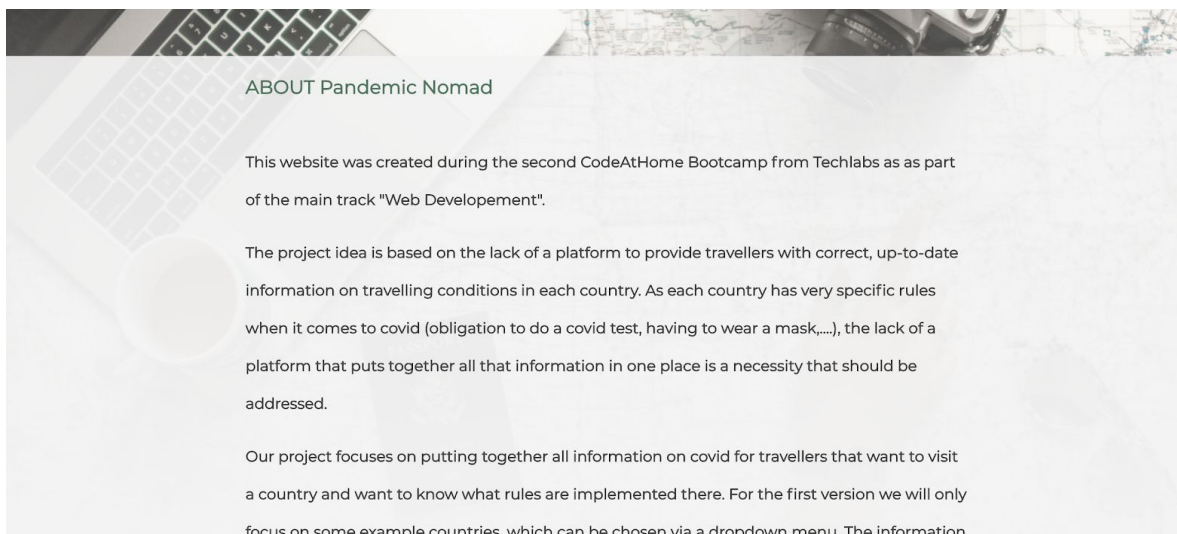The website also includes an "FAQ" page, so users can inform themselves about the project.

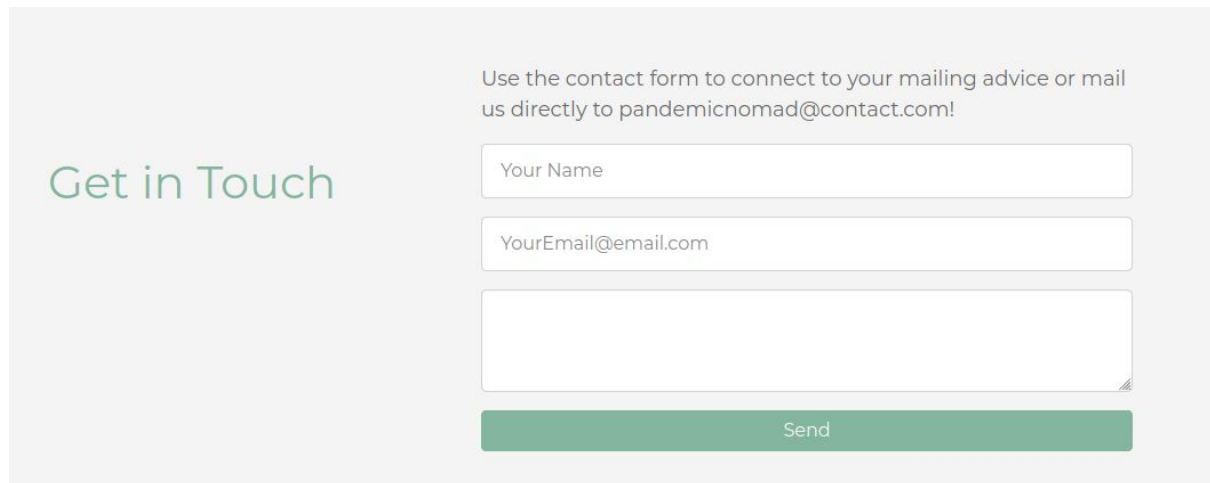The questions can be clicked, which then shows the answers dynamically as seen below.

About Page

The "About" page states the project idea and the underlying problem / reason why a web application like this one might be helpful during a pandemic.

Contact Page

The "Contact" page allows the user to write to - in this case - us. The user has to enter a name, a proper email address and a message to be able to contact us. By clicking the "Send" button the given information will be used to create an automatic email to be sent to us.