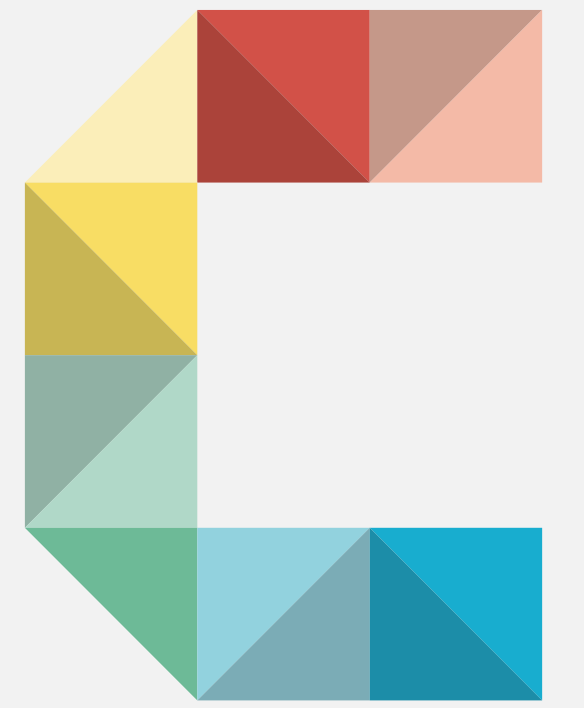


A Bite of Dresden Attraction and Food Map



by SABAHET ALI, TIANQI LI and WEICHEN XU

“A Bite of Dresden” is a travel guide based on flavours of Dresden. It is an interactive map which incorporates ten most famous tourist attractions of Dresden surrounded by variety of restaurants. This map will help tourists and new residents in exploring the city by experiencing food culture around famous attractions of the city. Users have the choice to select attraction and how far they want to travel for food based on their interest and likeness. If you are at “Brühlsche Terrasse” and want to eat Chinese cuisine with a view, our map will help to navigate you to the right choice. The main motivation behind our project is “Travel, Eat and Explore”.

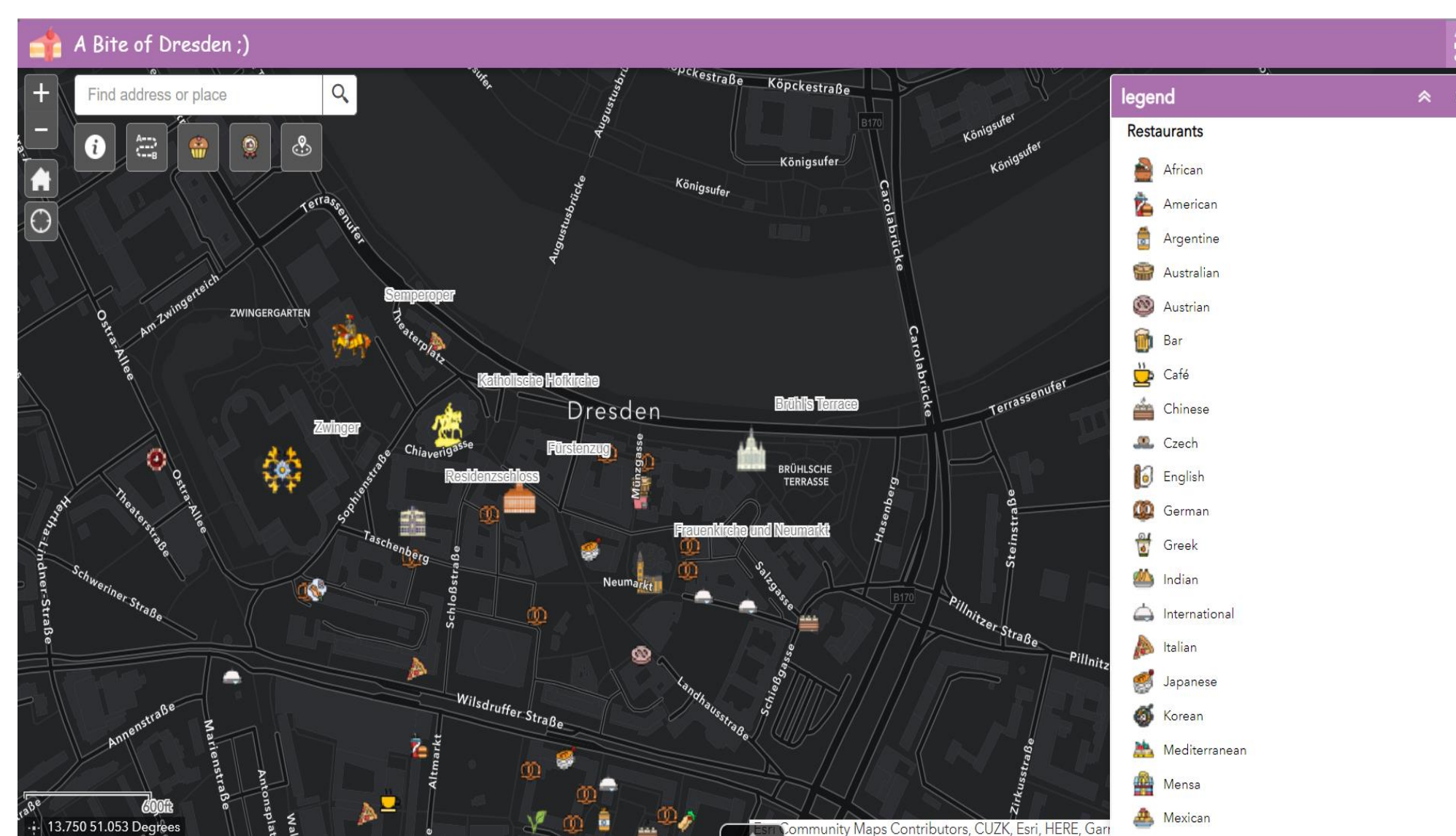


Fig 1. The main map page with legend.

RESEARCH METHOD

Since the target audience of this map are tourists and new residents, the attractions should have unique style which represent Dresden. The top 10 ten landmarks recommended by Dresden city website were selected [1]. The shapefiles including tourist attractions, city boundary and restaurants were downloaded from Open Street Map [2].

The average price of menu per person, customer reviews, type of cuisine and other information related to restaurants were collected from the restaurant guru website [3]. Permanently closed restaurants and restaurants which have rating below average were removed from the data.

The homepage of project is coded by using Notepad++, HTML and CSS file. The interactive functions of the map were added through the ArcGIS Online Web App.

DESIGN

We have used cartoon style icons for both layers i.e., Tourist Attractions and Restaurants. For the attractions, we have symbolized their unique characteristic into an icon. For the restaurants, we have chosen a famous dish of each cuisine and designed the icons on our own. The scaling zoom of icons was also considered for better legibility and aesthetics.

For a better visualization of the icons, we have used the dark base map as background.

FUNCTIONALITY

This interactive map incorporates different functionality for users to navigate to their cuisine of interest. Users can choose any attraction and then there is a function to choose radius in which users want to travel for food which, also shows the directions. Moreover, we have integrated filters to search any unique cuisine and it showcase those restaurants which are highly recommended based on google reviews.

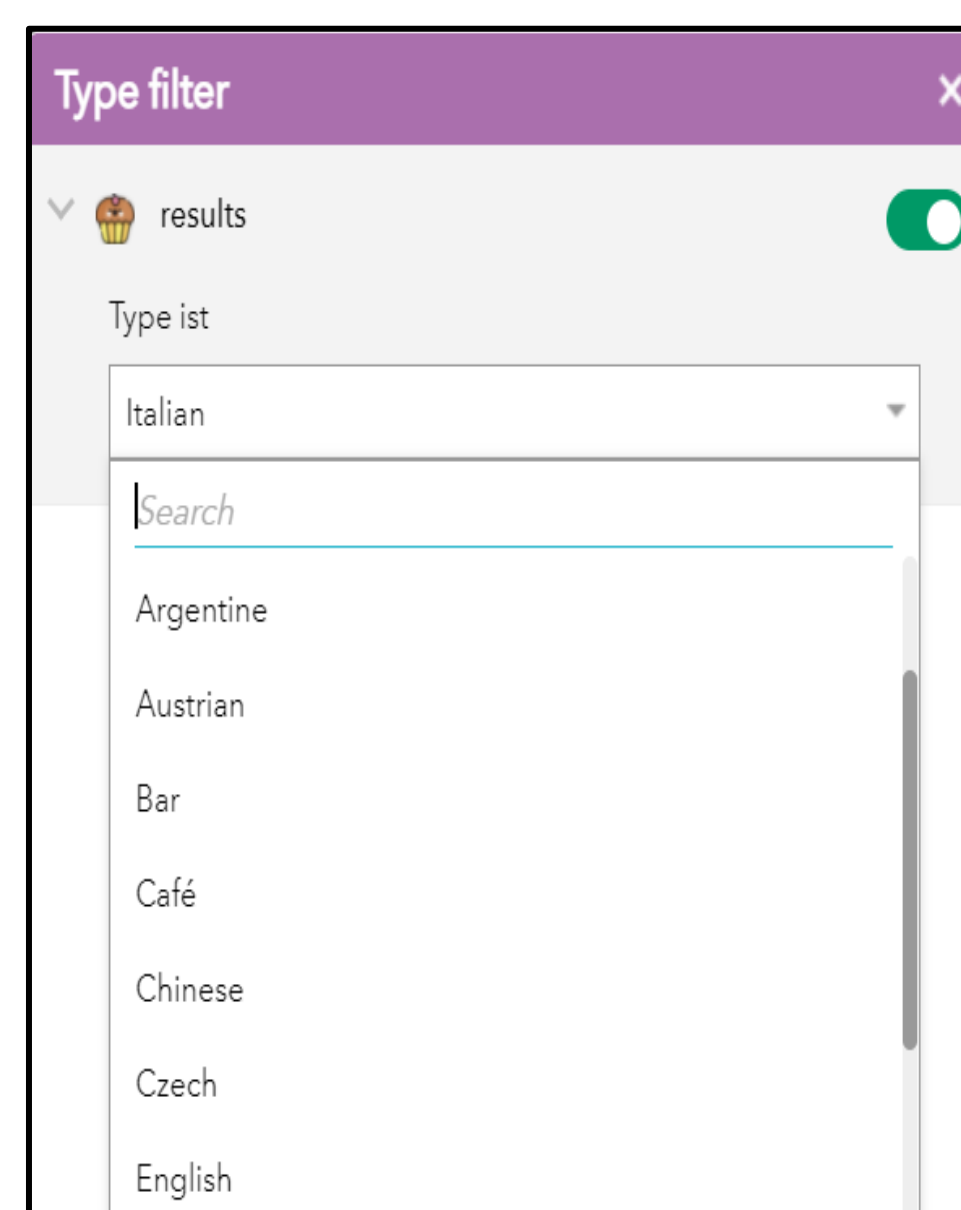


Fig 2. Cuisine type filter

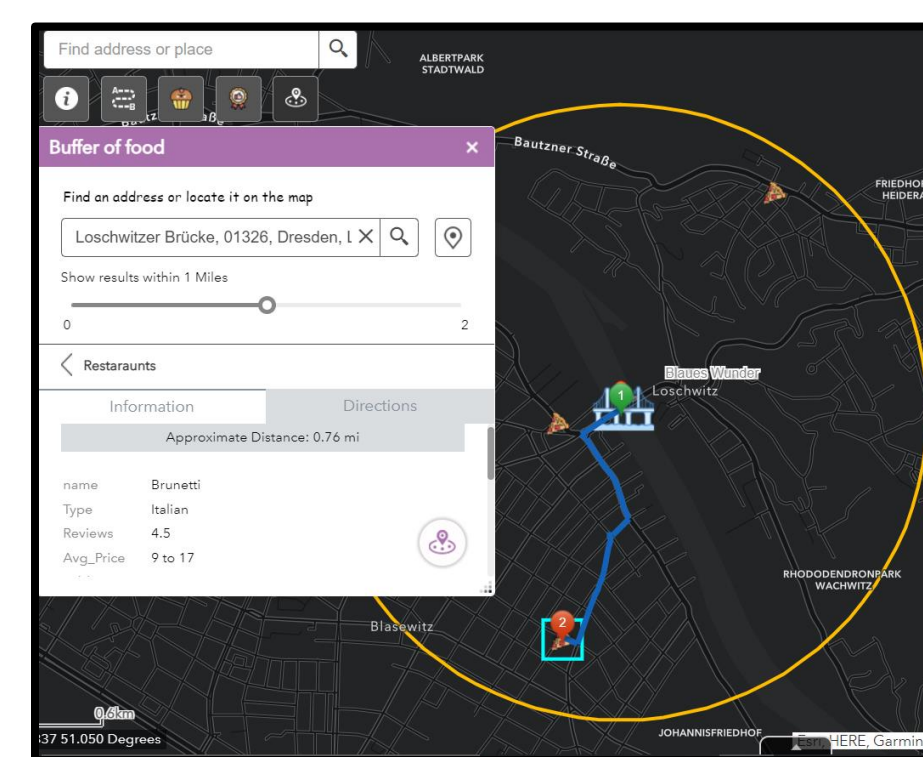


Fig 3. The buffer search will make the surrounding resutaurants available. When clicking in the box the restaurant will be highlighted.

CONCLUSION

Food represents the culture, and it is one of the ways to explore a region. The main idea behind our project “A bite of Dresden” is to help tourists in travelling by exploring flavors and tourist attractions of Dresden city. We successfully achieved our objective and implemented our basic idea by creating an interactive map with different functionalities that would help users to travel and explore culture of Dresden.

Lastly, there is always a room for improvements. This map provides a simple and basic route selection. Also, the pop-up windows could be more interactive and creative. We believe that with advance learning and knowledge of programming languages we can achieve better in the future.

IMPRINT

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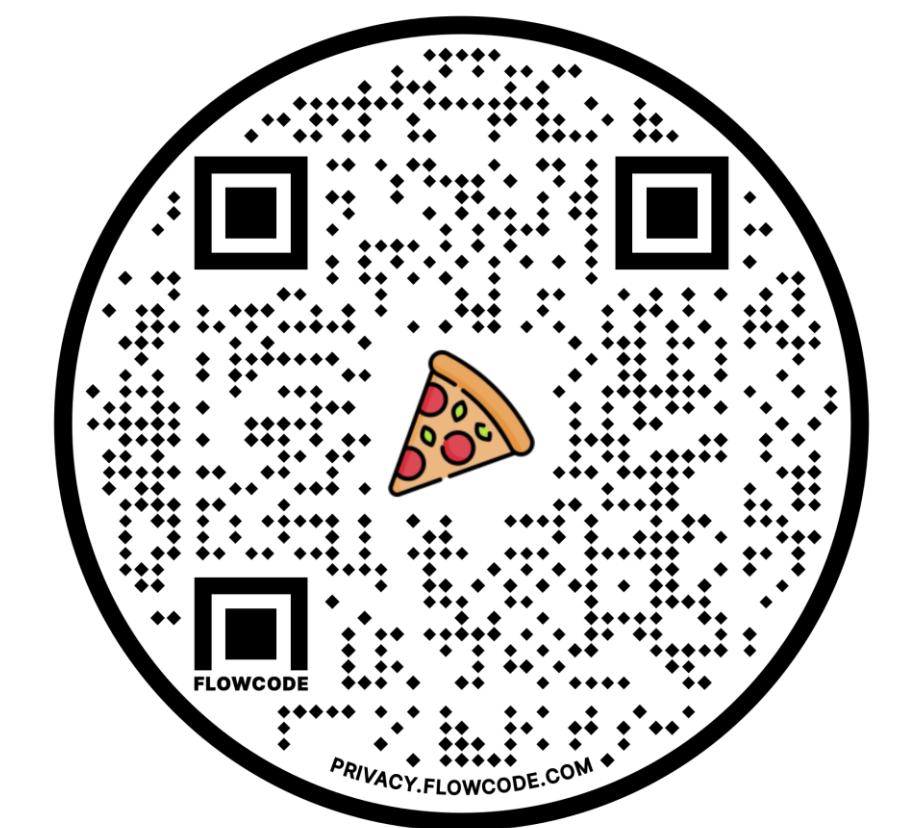
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KEYWORDS

Dresden, Food, Attraction, Tourist

LINK

<https://tu-muenchen.maps.arcgis.com/apps/webappviewer/index.html?id=430f1eedb08c44d58bac8d4876fe37e0>



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- [1] dresden.de
- [2] openstreetmap.org
- [3] de.restaurantguru.com