

Team Name *

Nifty Ninjas

Project Name *

From Bombay to Mumbai and back to Bombay

Description and Features *

Please give us a general description of each project as well as a brief description of the features available and datasets used.

We want to create many versions of the map of Mumbai, each reflecting a different aspect of the city, and how it has evolved for the people who inhabit it. We will create four maps, the first three will discuss the history of Mumbai and the last one will explore the city as it is today. Each map will have a physical, digital, and community aspect. The physical exhibit will consist of each map projected onto a screen or wall. In some cases people will have the ability to interact with this physical display. The digital exhibit will be a website where people can access more information about each map and contribute to them.

Maps one through three will explore the trade patterns, migration patterns, and geographic shifts in Mumbai in the last 18 years, at yearly intervals. We will use the historic texts and maps from the BDL Museum data set, trade data from the Government of India Ministry of Commerce and Industry, migration data from the Government of India Ministry of Tourism and the port authority of India.

The physical display will show an overlay of the historic maps of Mumbai with a current map of Mumbai to create a visualisation of these trade patterns, migration patterns, geographic shifts over the years.

The digital display will allow people to dig deeper into how each of these datasets have evolved and guide them through literature that better explains these shifts. It will also give them the ability of question/remark/discuss/suggest changes the data presented. The data we are presenting is a representation of the people who are viewing these exhibits, and they are as much a reflection of the change in Mumbai these maps are addressing. Though this digital forum, we are giving our audience the tools to become a part of that conversation.

Map four will explore Mumbai today, and present a compilation of how its citizens experience the city. It will be an emotional map of Mumbai today.

The physical display will show a current map of Mumbai. Viewers will be given a set of pins of different colours, each representing a different feeling: Joy, sadness, fear, rage, filthy, clean, serene, chaotic, love, unsafe. They will put the pin on a location on the map where they experienced that feeling.

The digital display will allow people from anywhere in the world to add markers representing the same feelings onto a digital version of the same map. The physical display will continuously update with the digital markers, illustrating how the emotional map is evolving in real time. Eventually, we will be able to map how Mumbai being is experienced today.

Motivation *

Here we would like to know about your motivation and thoughts as to why you developed this project.

Maps are traditionally representative artificial borders and boundaries that divide our world. With this project we hope to create maps that connect people instead of dividing them. Our motivation is to help people understand and connect with the city we live in. We live in a city of immigrants, and this city is the one common thread that ties us together. Different people from vastly different backgrounds have happened upon this city in different ways, and they experience the city in many ways. Our intent is to capture this. We believe that a better understanding of how the geography of Mumbai has changed over these years and how people from different states, counties, gender, and economic background experience the city, will help us better understand and relate to Mumbai and the people of this city. Eventually, this could lead to creating a better, safer, cleaner, more connected city.

Technical Details *

Please describe the supported platforms or technologies (mobile, desktop, app, plugin, web, native, etc.), used language, any dependencies (hard- or software) and the license for your code.

Supported Platforms: Web

Languages: JavaScript.

API's/Libraries/Hosting: The website will be hosted in Firebase, and use the Google Maps API. All of the code will be available on github.

Licences: MIT Licence.

Other Dependencies: High resolutions copies of the historical maps of Mumbai from the BDL museum dataset. A physical space in the museum to display the exhibit. A projector. A board to display Map 4 where pins can be attached. Pins.