

ANKARA BALKON KORKULUKLARI

1950-75

Interactive Digital Exhibits
To Experience Architectural
Heritage: The Case of Balcony
Balustrades of Ankara
(1950-1975)

Project Catalogue



BAP086

Heritage Architecture
Heritage Research Project

Mimarlık Odası İzmir Şubesi
İZMİR MİMARLIK MERKEZİ

ANKARA BALKON KORKULUKLARI

1950-75

[BAP086] **INTERACTIVE DIGITAL EXHIBITS**
TO EXPERIENCE ARCHITECTURAL HERITAGE
THE CASE OF BALCONY BALUSTRADES
OF ANKARA (1950-1975)

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Alper Yılmaz

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Yaşar University BAP086
SCIENTIFIC RESEARCH PROJECT

Interactive Digital Exhibits To Experience Architectural Heritage: The Case of Balcony Balustrades of Ankara (1950-1975)

General Description

This project focuses on the adoption of computational design practices for the visualization of architectural building components and their reflections on society. The idea is to initiate a collaboration between the disciplines of interaction design and architectural history and experiment with the possibilities offered by digital tools to interpret, appreciate and exhibit architectural elements which by definition exist in a widespread geographical distribution that makes them difficult to see, compare and understand in association.

Project Period

03.02.2020-03.06.2021

Aim

To develop the boundaries of interactive digital exhibits towards the specificities of the representation of architectural elements.

To explore the effect of architectural building components to society and its collective memory.

To preserve a rich record of architectural building components data in an accessible archive.

To divulge the results as discoveries and experiments with the international academic communities interested in these disciplines.

Scope

As a specific case, a collection of photographs of Ankara apartment building balcony balustrades is adopted as a starting subject of the investigation, created by the project coordinator between 2004-2015. This selection includes 1850 apartment blocks built in the city of Ankara between 1950-1975.

This era is considered important, because especially, marking the Private Land Register Law, 1954; and marking the Property ownership law, 1965, are turning points in terms of dwelling production in Ankara, being the capital, as well as in Turkey. Following the interest of the researchers, the selection and records of these apartments have been already built and it is for this reason chosen as a case study. Apartment building standardization due to the limitations of urban

parcels forced architects or other building actors to seek ways to break the monotony of the new face of the city in these years. One of the elements of this new face was the iron balcony balustrades, which tended to provide movement to the façade as a simple tool of subjective touches to the apartment facades. These balustrades were also instrumental in the newly formed housing image of Ankara. The role of the digitization process is also to guarantee preservation and stratification of information. This aspect is interesting from a historical as well as from an architectural perspective; traces of previous stages of the building can be stored and overlapped constituting a possible use for the archiving of a city. In the specific case of Turkey, due to the rapid urban renewal process, the preservation of the architectural building components of apartment buildings become more crucial.

The selection of the balustrades was realized as described below:

District Selection: Çankaya District, which includes the emerging apartment building typology of the era.

Neighborhood selection: 41 neighborhoods out of all 124 neighborhoods in Çankaya District. The selection of 41

depends on their historical place in the development of apartment building typology within the city.

Street selection: All streets in the selected neighbourhoods were analyzed.

Apartment building selection: All apartment buildings that have simple balustrades in line with the architectural idea of midcentury modernism.



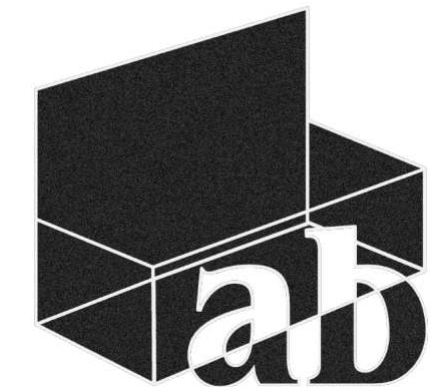
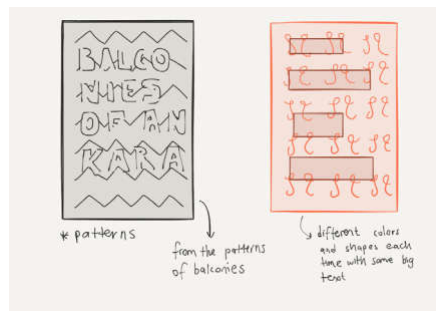
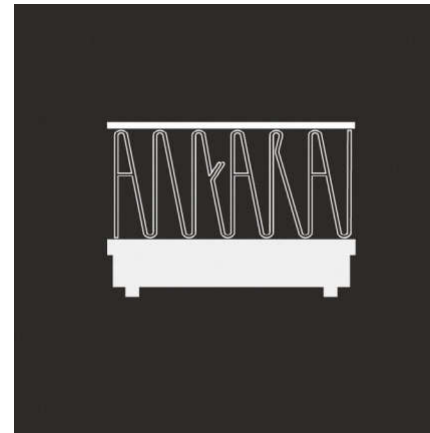
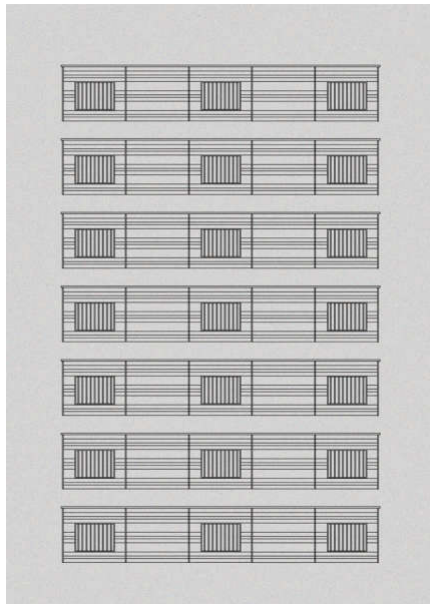
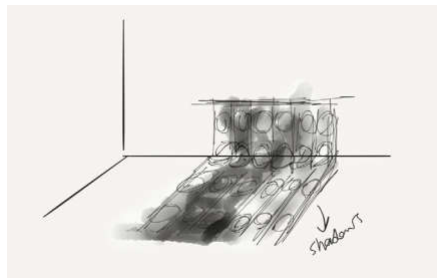
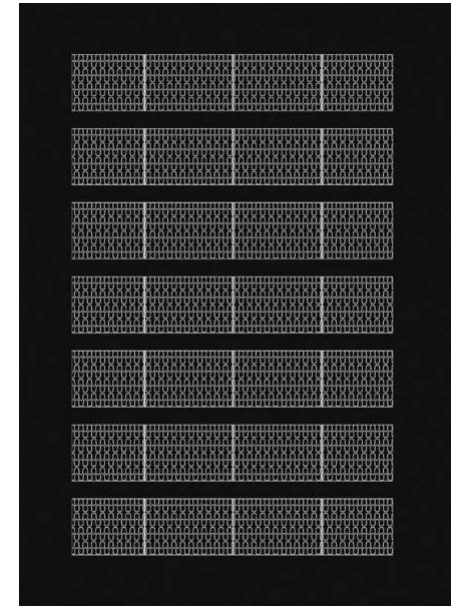
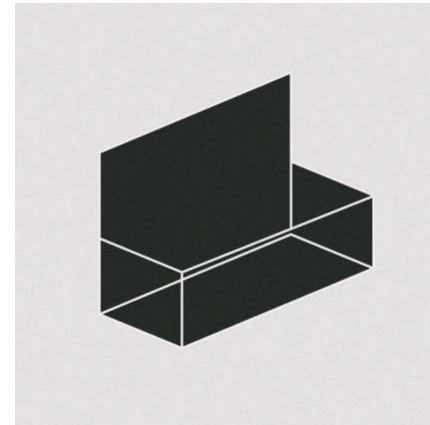
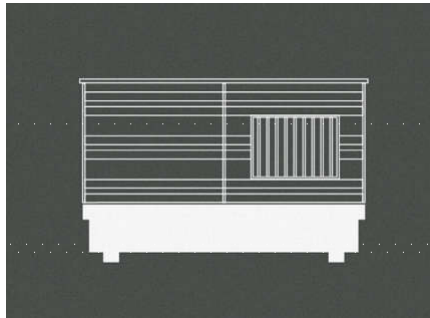
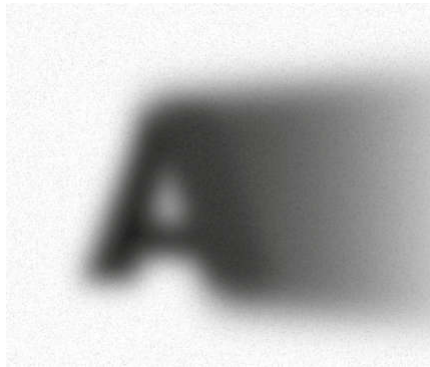
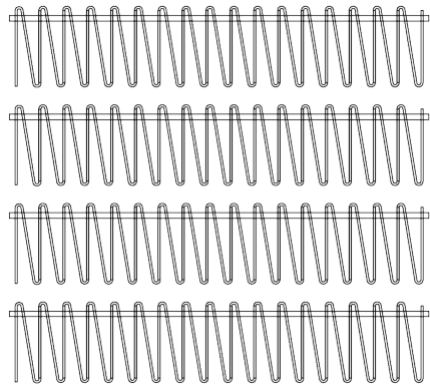




Collected photographs were edited for the usage of the exhibition and the digital archive. Photo editing were intended to highlight balcony balustrades; color correction, censoring, altering, and color masking were applied accordingly to highlight the selected building and the balcony area.

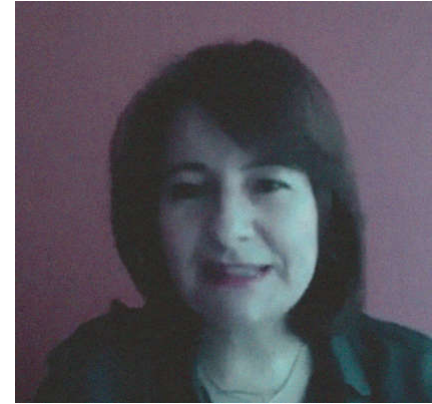
The image on the top left, edited photo of balcony balustrade code emek_183. The image on the top right, unprocessed photo of balcony balustrade code emek_183. The image on the bottom left, a color masking edit for the photo of the selected building, balustrade code esat_011 for 360° experience.

The process of illustration finalized with producing 2D drawings of 100 representative balcony balustrades. Reviewing some pilot 2D drawings by CAD, it was decided to turn this into colored illustrations, which would have a more powerful impact. These illustrations have also created a baseline for the project identity.

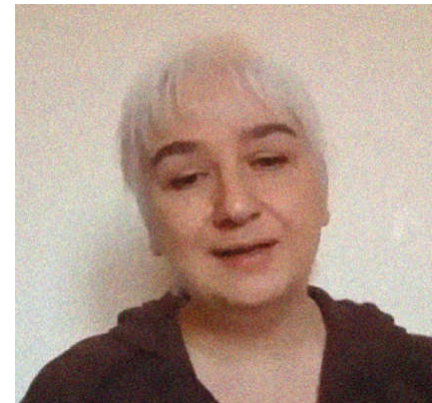


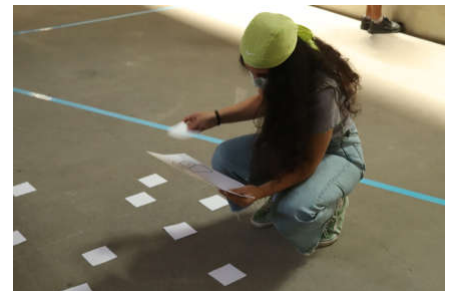
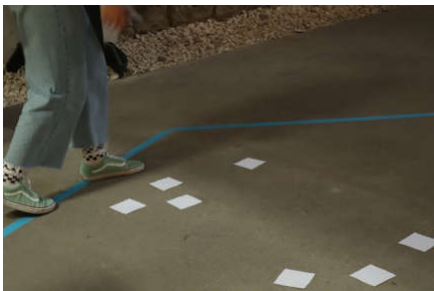
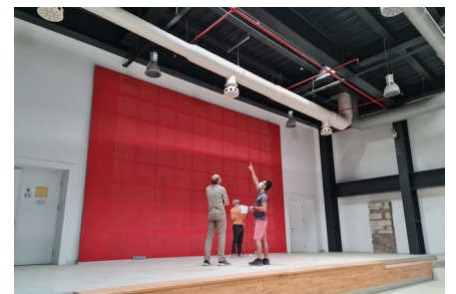
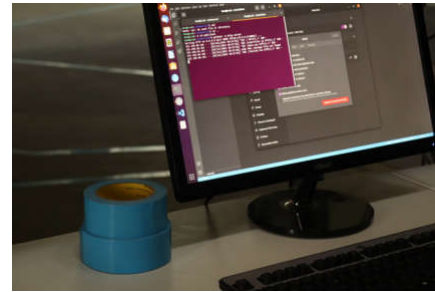
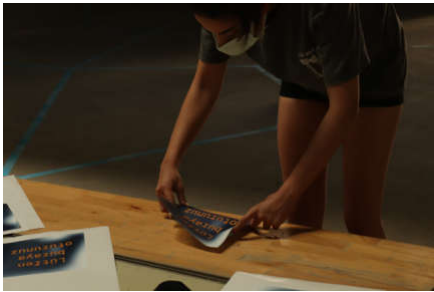


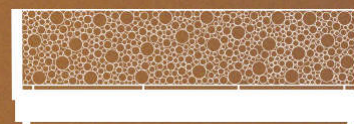
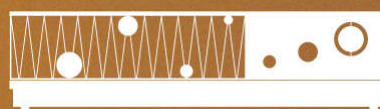
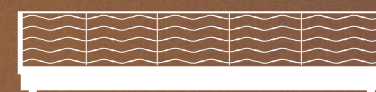
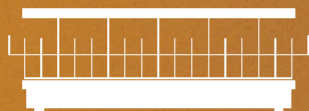
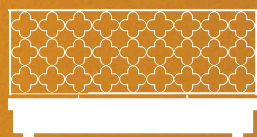
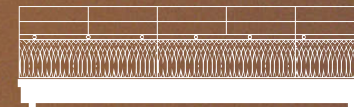
Due to Pandemic, with the approval of the Project Consultant, Cenk Sönmez, filming interviews was realized online by the Coordinator (on Zoom). Only the film with Kadri Kalaycıoğlu (one of the architects of the selected apartment buildings) and the film with İsmail Sağlam was realized face to face with their request (but still on Zoom).

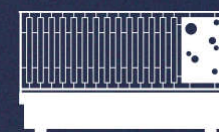
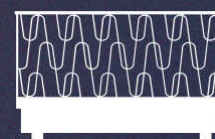
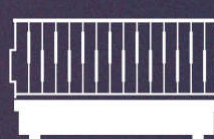
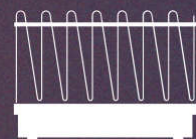
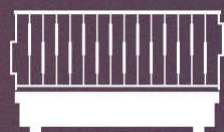
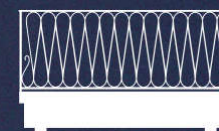
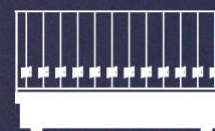
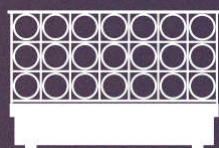
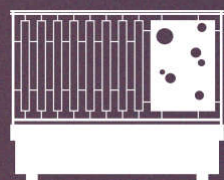
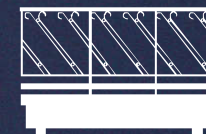
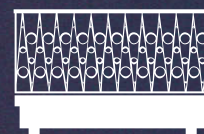
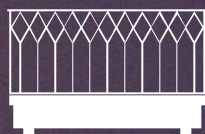
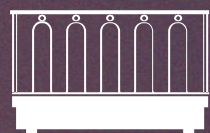
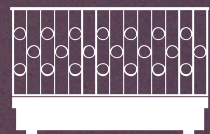
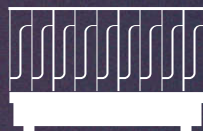
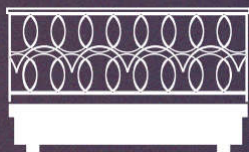
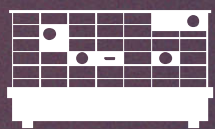


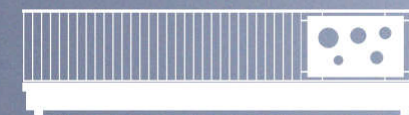
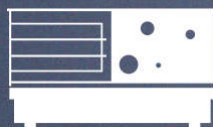
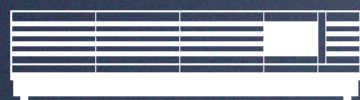
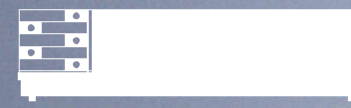
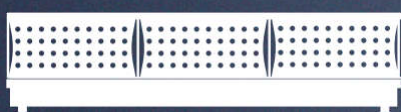
Although only 8 interviews were planned at the beginning, in the process. Later on, the most striking 3-4-minute talk from each interviewee is selected, and the interviews were montaged into the project film. The film was displayed at the Exhibition. It is also published on the website of the Project. A selection of 114 excerpts of 3-4-minute each to be published twice a week on the YouTube account.







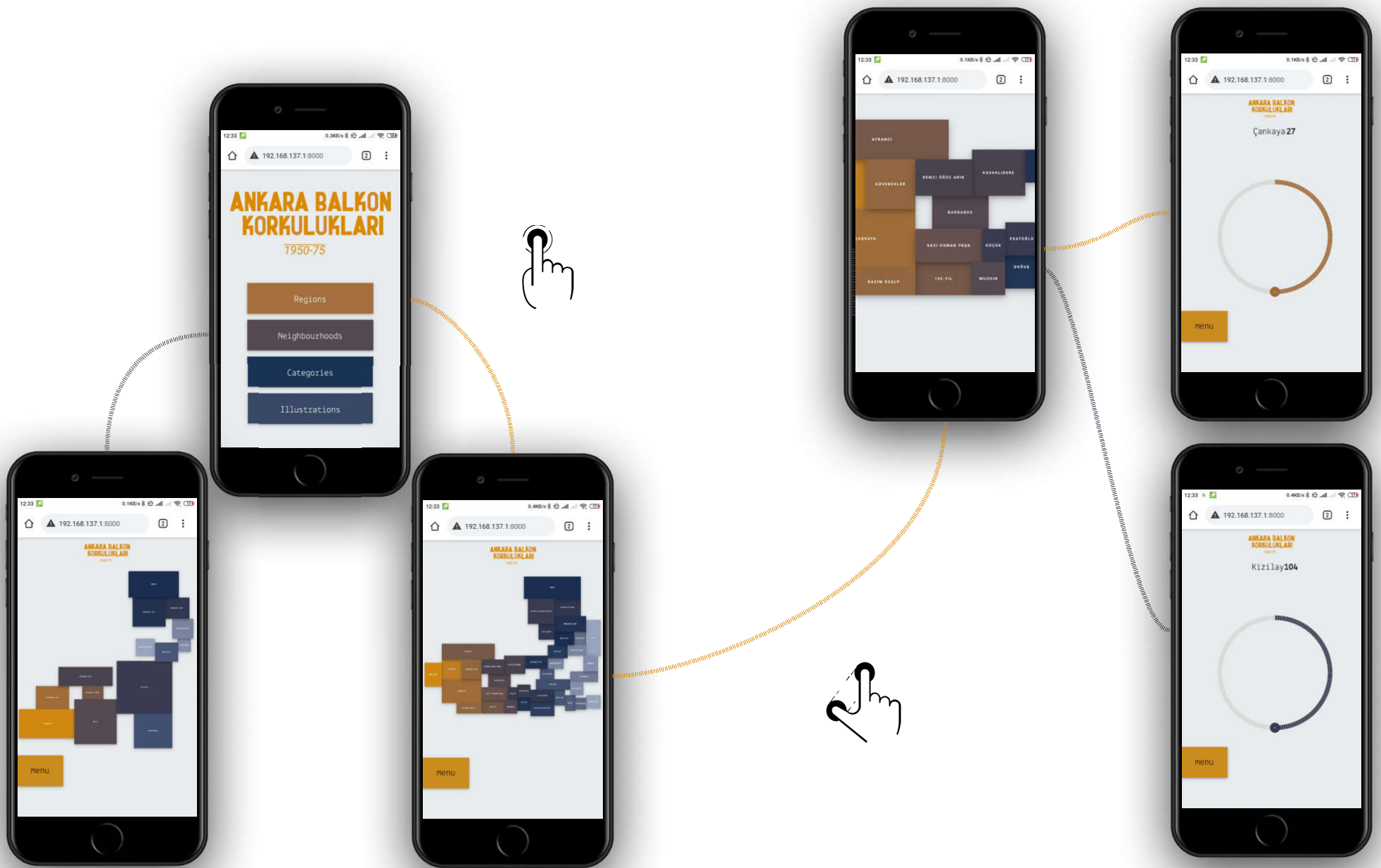


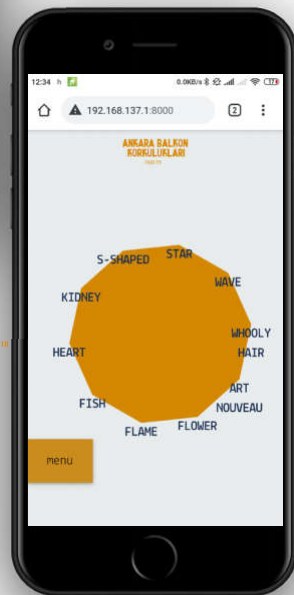
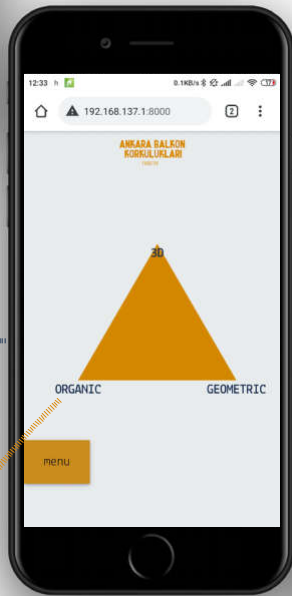




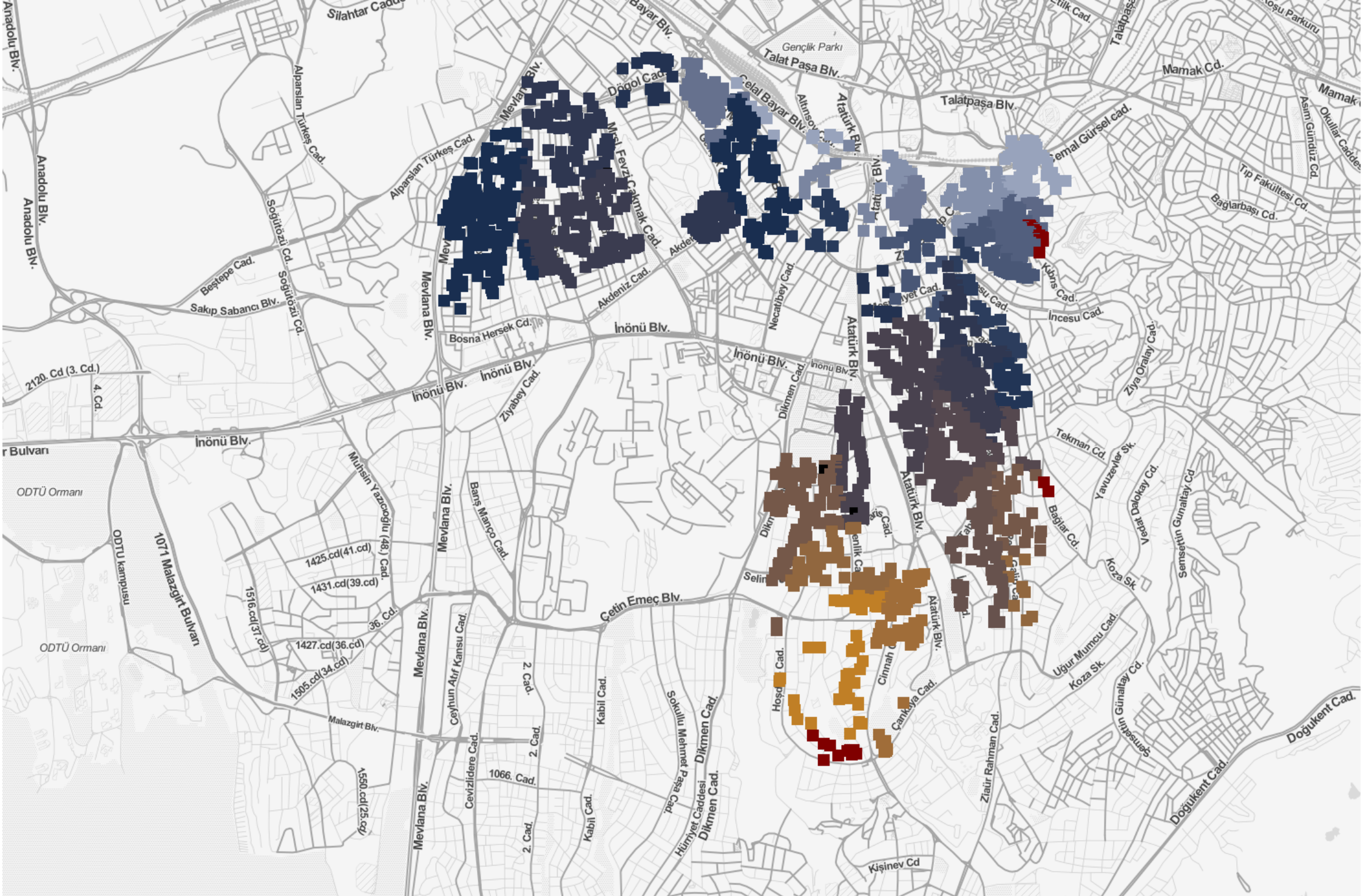


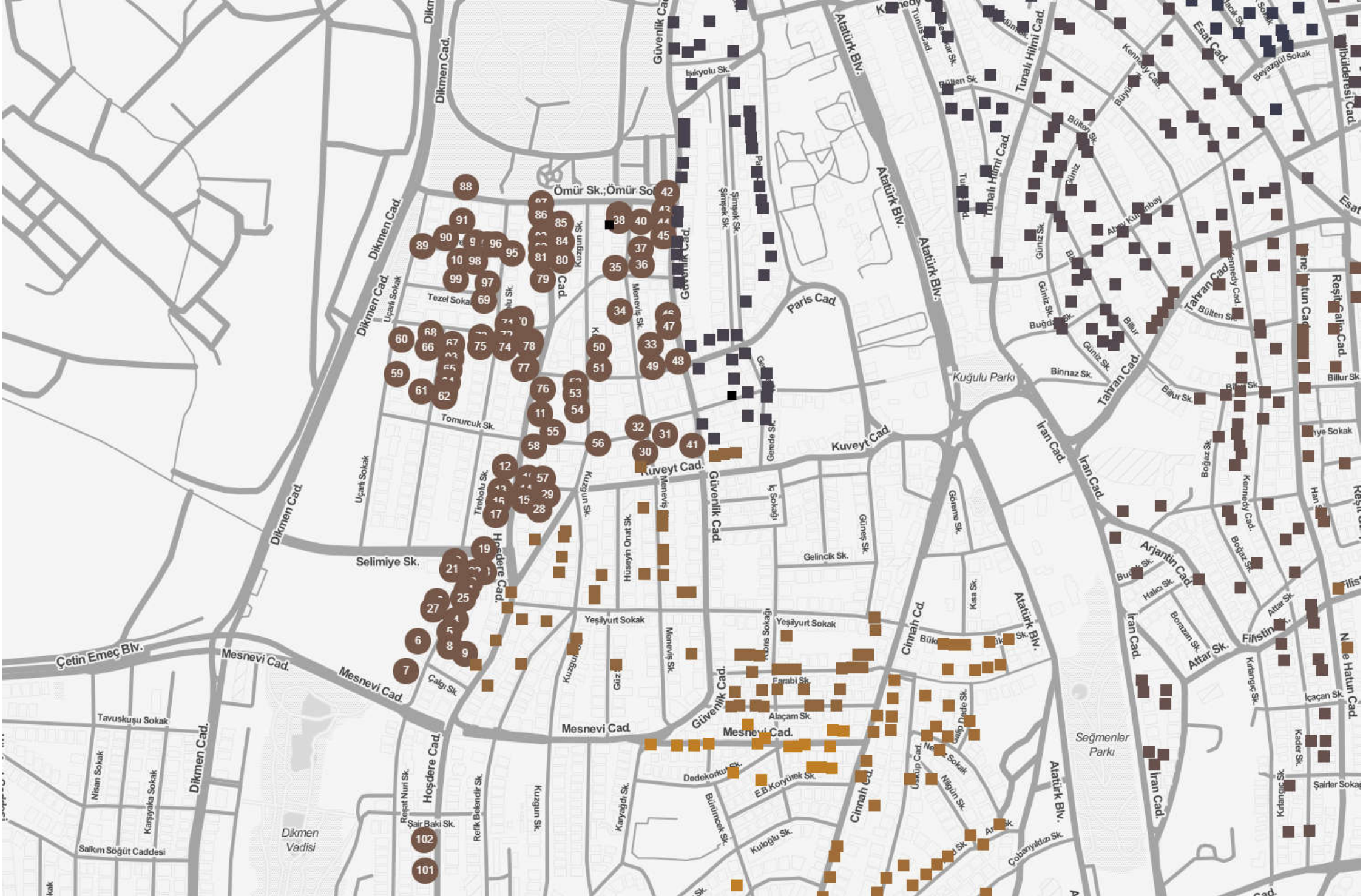






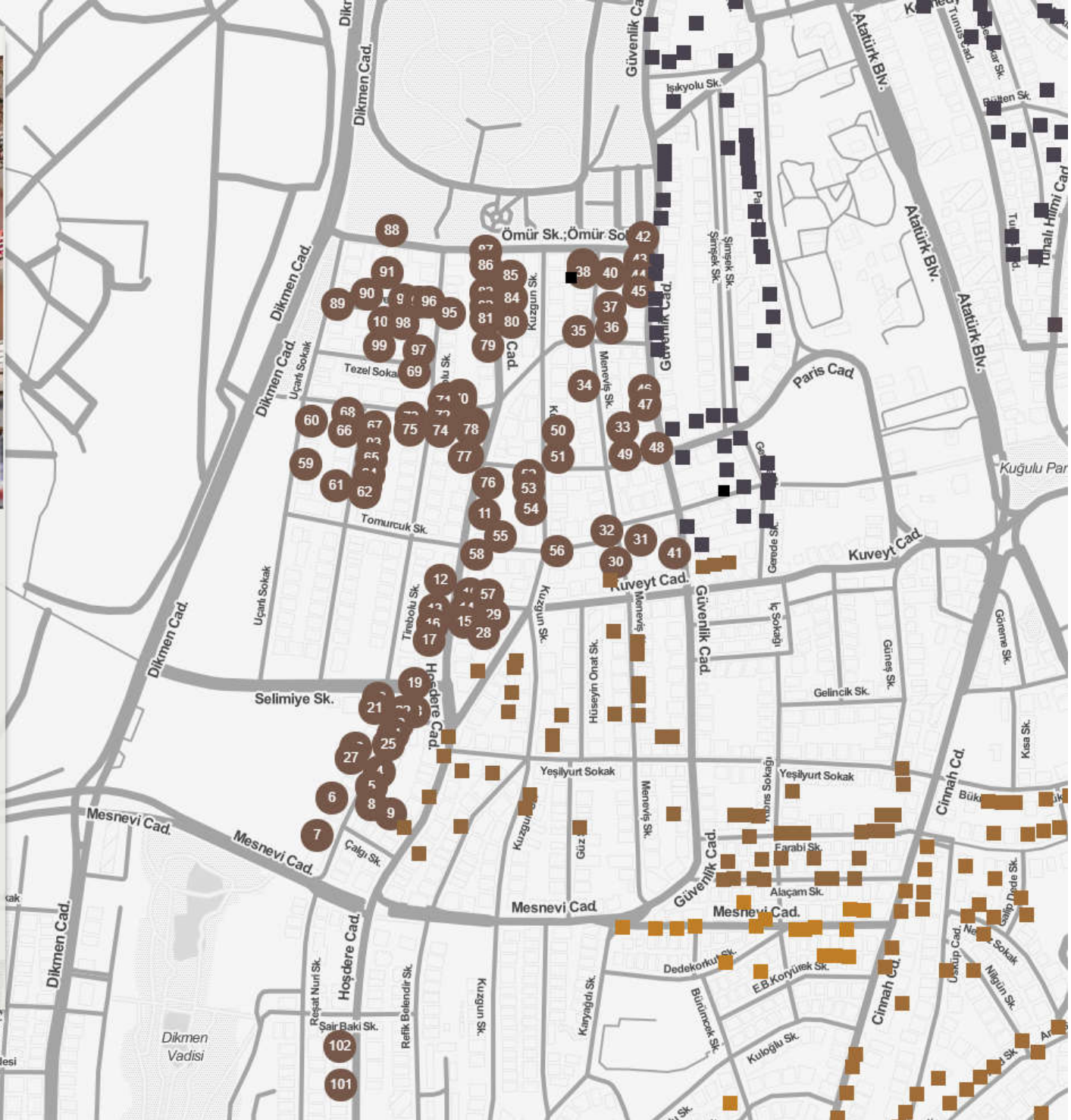
Pinch, Two Finger
Swipe and Hold
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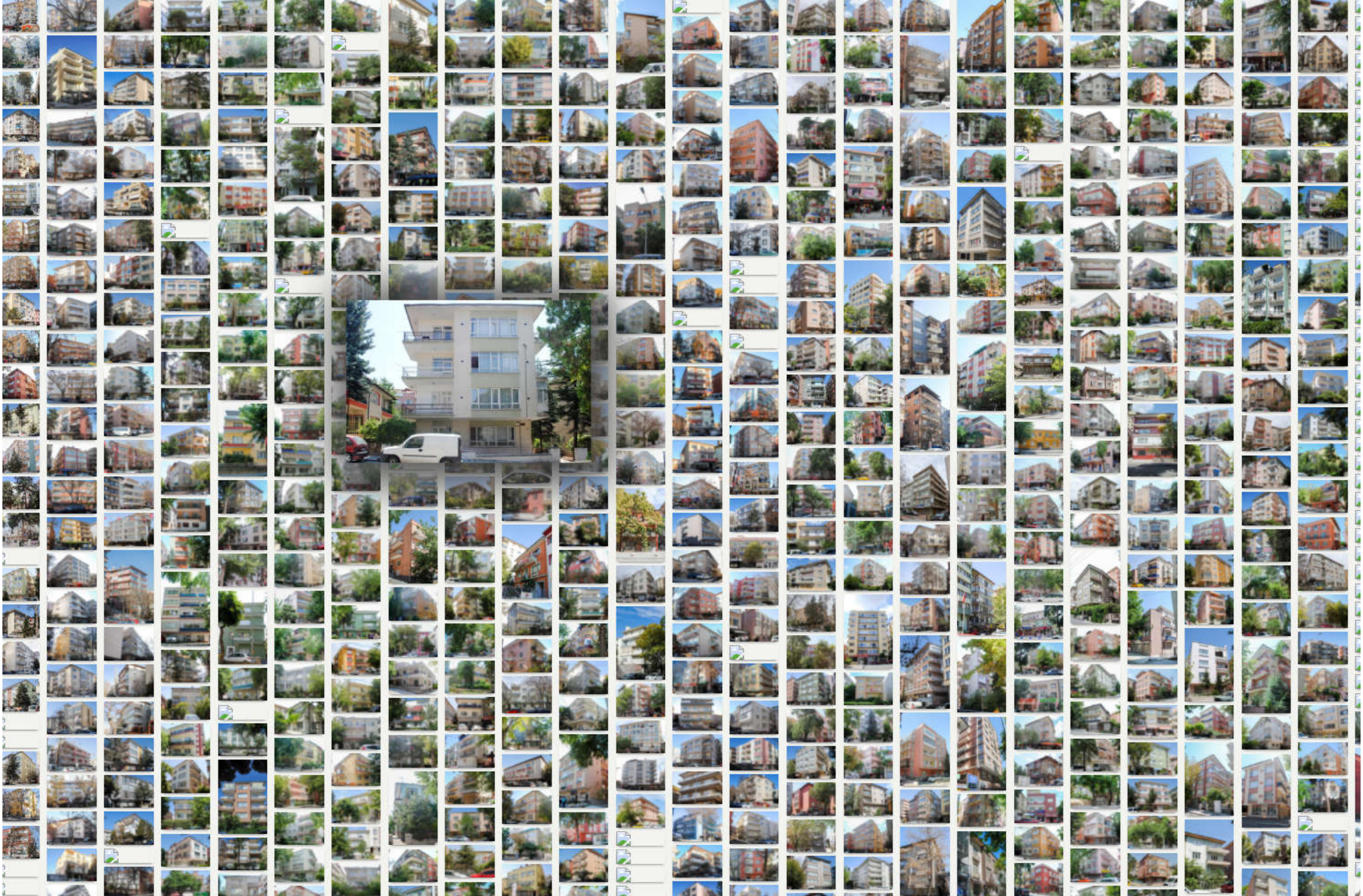






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Hasan Tuluk: Metal Sanatçısı, Eğitmeni

Kadri Kalaycıoğlu, Mimar
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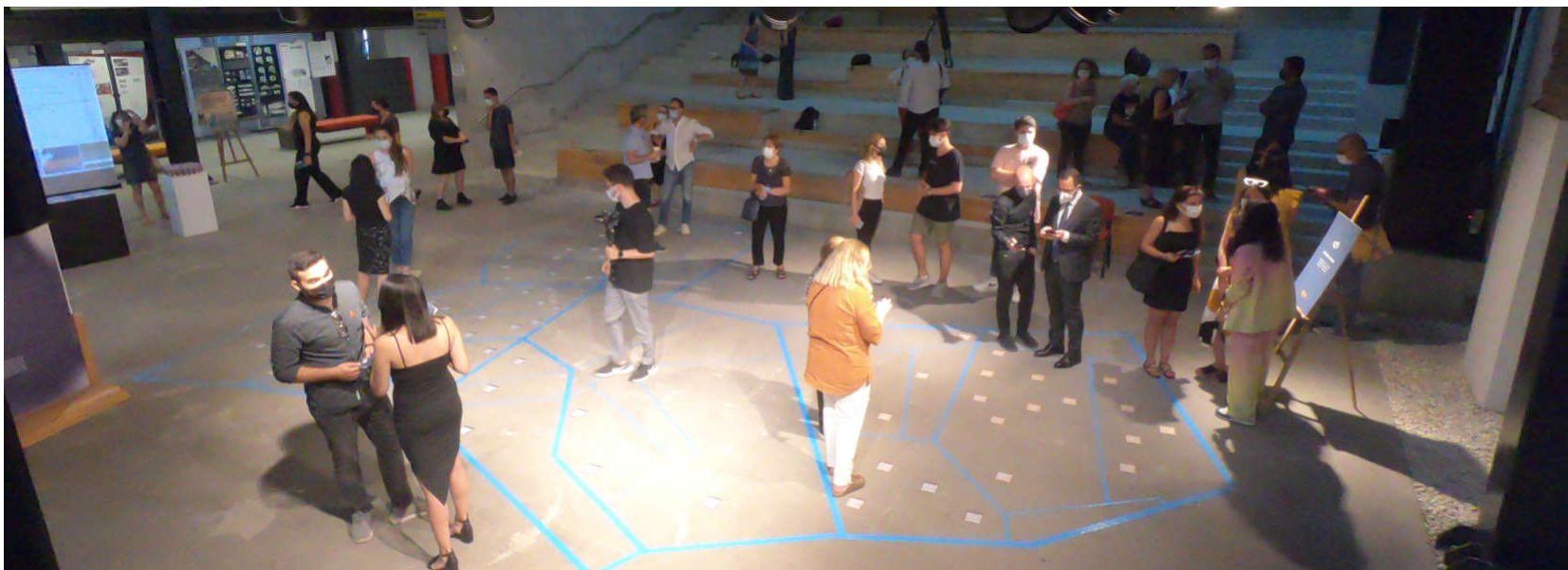
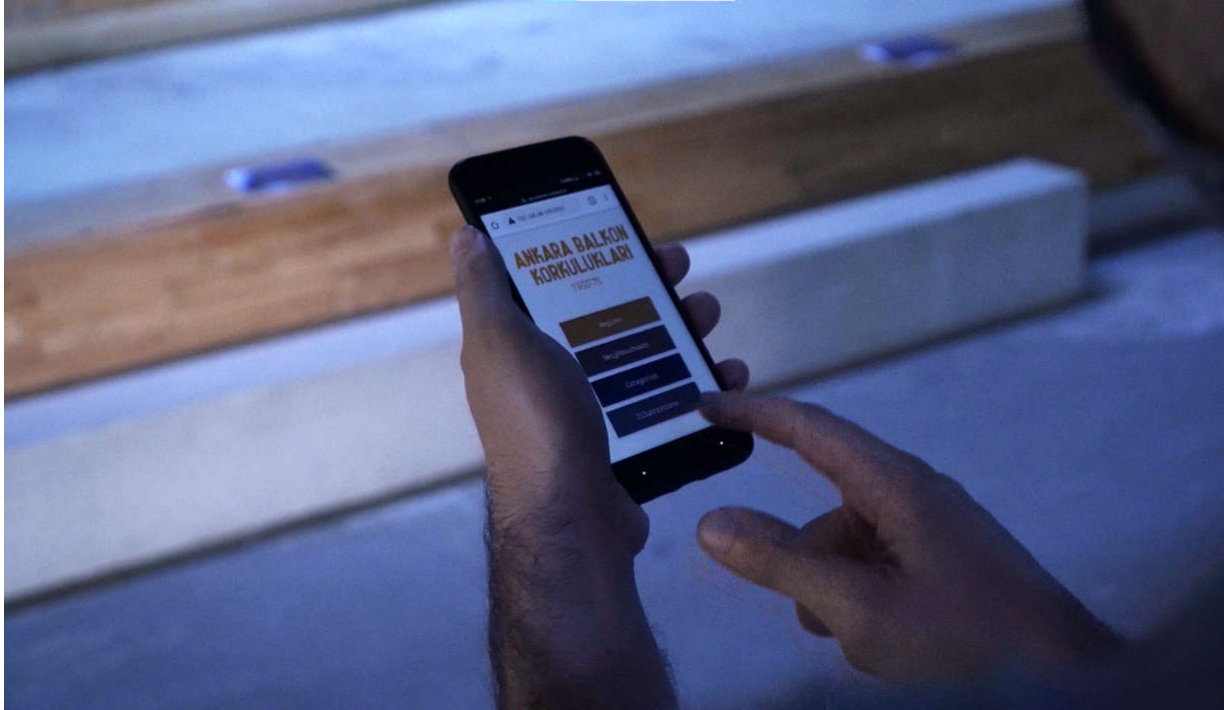
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Mehmet Gümüş, Mimar, Müteahhit A.Gümüş'ün oğlu

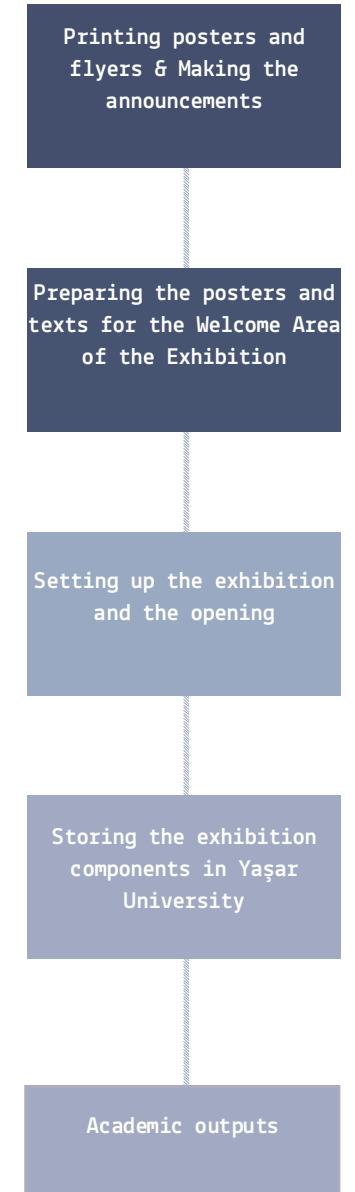
Ekrem Çalışkan, Demir Ustası
Cem Turhan Eskitoros, Demir Ustası
Sedat Kızılkaya, Demir Ustası
İsmail Sağlam, Demir Ustası
Mustafa Tan, Demir Ustası
Hayrettin Yıldırım, Demir Ustası,
Ankara Demirciler Esnaf ve Sanatkarlar
Odası Başkanı











**Visualizing Architectural
Ephemera : The Case of Ankara
Balcony Balustrades 1950-75**

Presents how a digital collection is translated/visualized within a computation interface for the study of collections named Grouper. Considers Ankara balconies balustrades as ephemera and observes them through a speculative realism lens. The case of "Ankara balconies balustrade 1950-75" is a collection to digitize and preserve which poses challenges for its visualization. Architectural buildings are commonly regarded as lasting artifacts and not associated with the transient program of ephemera. However, in a rapidly transforming urban fabric architecture and its components disappear in a relatively short time. This disappearance discards rich baggage of memories and socio-cultural references of the community. Within this unique lens, architectural elements might be observed as ephemera and worth observation and preservation through digital collections. In this study, we take into consideration a particular architectural element, the balcony balustrade, to examine its role in modern architecture in Turkey and its effect in shaping the city and the image of a neighborhood to its citizens. The richness

of the collection, around 2000 samples, the related data, and the intrinsic value of the collection enticed a research project*. As a result, we see this case as a trial in approaching data visualization and interface for cultural heritage collections through a speculative realism lens and the conceptualization of architecture (elements) as ephemera, a way to open new possibilities in exploring other artifacts as objects.

*Sixteenth International Conference on
Design Principles & Practices*

*January 19 - 21, 2022
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Newcastle, Australia*

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Ankara Balkon Korkulukları 1950-75

Interactive digital exhibits
for the exploration
of architectural heritage

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