Mapping Modernism

Information visualization and presentation tool

Mapping Modernism

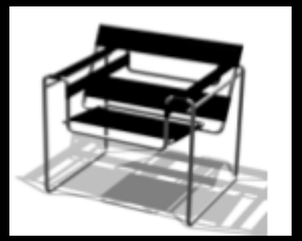
I. Concept

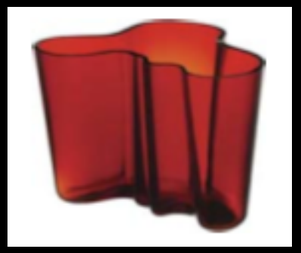
II. Implementation

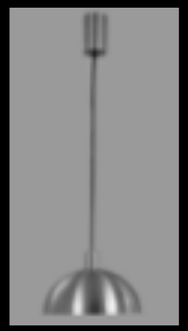
III. Future

I - Concept

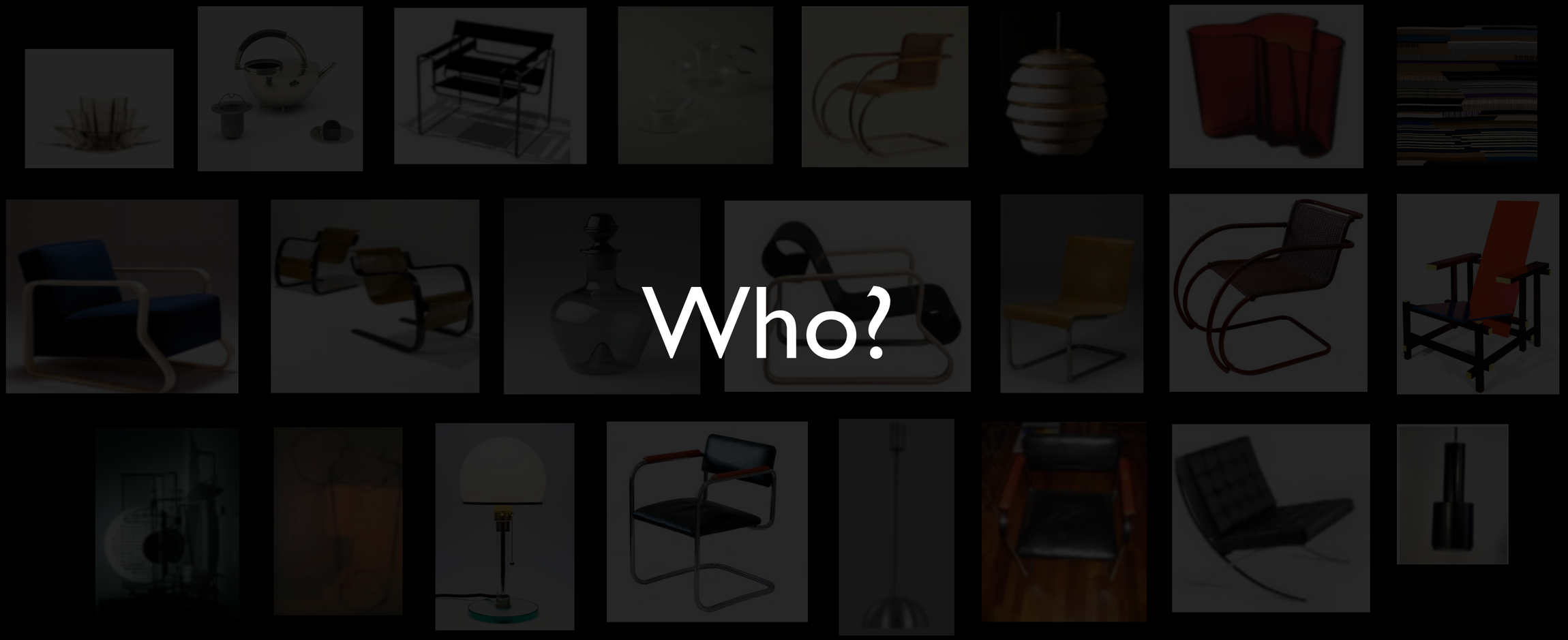
Modernism







Modernism



Who?

Starting point: picture

copyright Bauhaus-Archiv Berlin/ Musée National d'Art Moderne/Centre Pompidou

Starting point: picture

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Director

Alvar Aalto

United States

Chicago

1937

CIAM

Isokon Project

England

World War I

Soldier

1946

Constructivism

wounded

Dada

Theo Van Doesburg

De Stijl

London

Lázslò Moholy-Nagy

Jewish

Hungarian

Marianne Brandt

Weimar

Master 1923

Typography

Dessau

1928

1923

Walter Gropious

photography

Chicago Alvar Aalto

1937

Emigration

Director

Isokon Project

New Bauhaus London

Lázslò Moholy-Nagy

Weimar

Walter Gropious

Marianne Brandt

The Bauhaus School

Dessau 1923

1928

Dada

Constructivism

Avant-Garde Art Movements

Theo Van Doesburg De Stijl

Seven categories

The Bauhaus School

Metal Workshop at the Bauhaus

Emigration

World War I

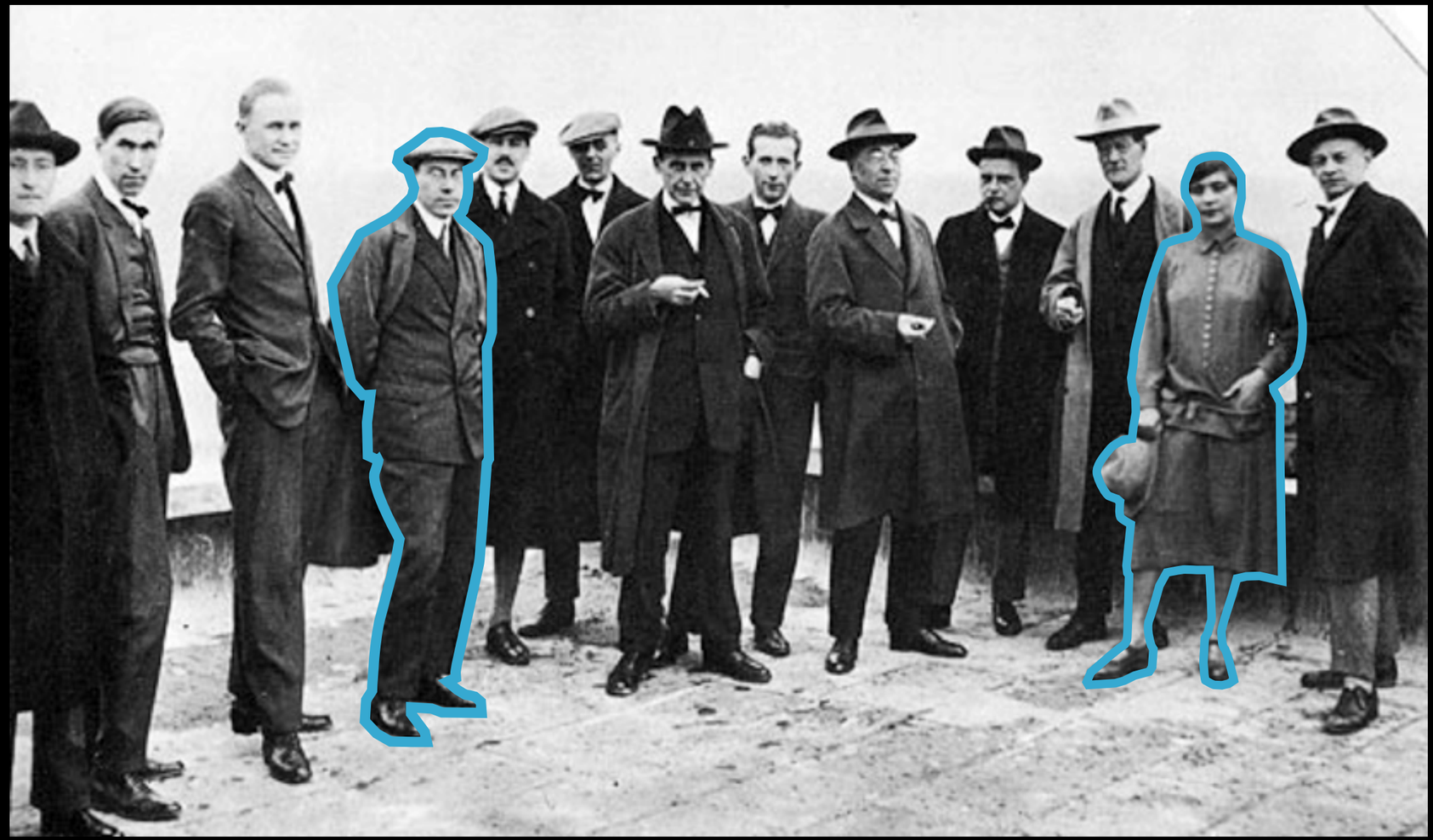
Innovation in Furniture Design

Avant-Garde Art Movements

Initiatives in Architecture

- determined by finding most common types of information
- used to discriminate pieces of information
- groups data
- connects artists

Starting point: picture



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Lázslò Moholy-Nagy

The Bauhaus School

László Moholy-Nagy was appointed a master of the metal workshop at the Bauhaus by its first director Walter Gropius, who shared with Moholy-Nagy an enthusiasm for experimental designs aimed for industry.

The Bauhaus School

Gunta Stölzl joined the Bauhaus as early as 1919 and was studying in the weaving workshop. After she graduated, Stölzl was responsible for the technical direction of the workshop and then became its master. She was a very original weaver, but at the same time she was actively working on the development of industrial fabrics.

Gunta Stölzl

The Bauhaus School

Lázslò Moholy-Nagy

Gunta Stölzl

Goals

- use artists as starting points
- show complex data in a simple, visual way
- still give access to more complete data on demand

Three questions

Who were the artists?

The Bauhaus School

How were they related?

The Bauhaus School

László Moholy-Nagy was appointed a master of the metal workshop at the Bauhaus by its first director Walter Gropius, who shared with Moholy-Nagy an enthusiasm for experimental designs aimed for industry.

What were their experiences?

II - Implementation

Three physical elements

Markers

Table

Screen

Three key actions

Accessing

Exploring

Deepening

Markers

- represent artists
- user's entry points to the information
- allow for an always-custom experience

Table

- presents the legend

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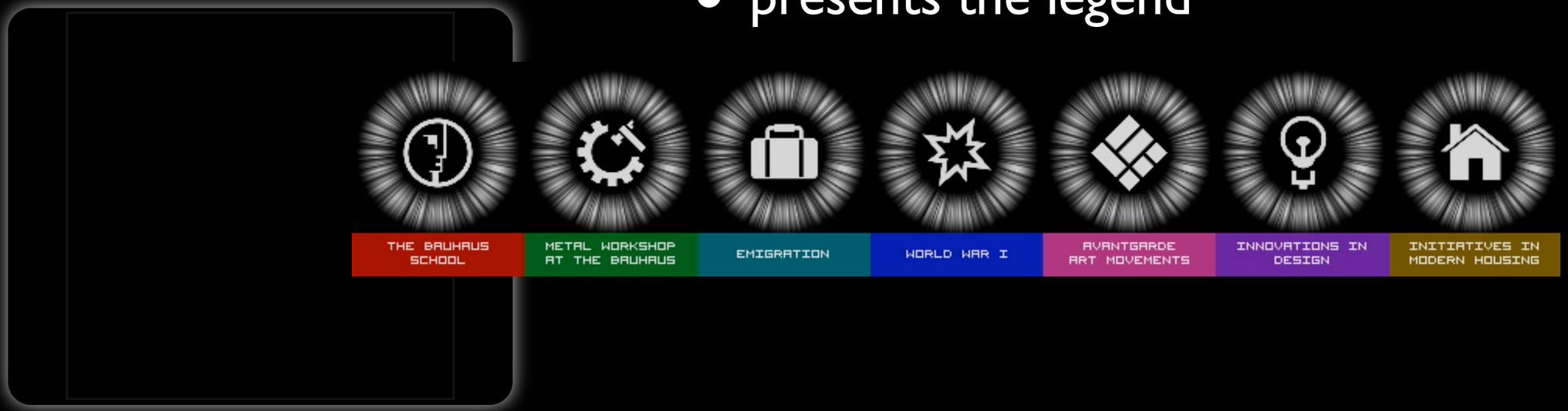

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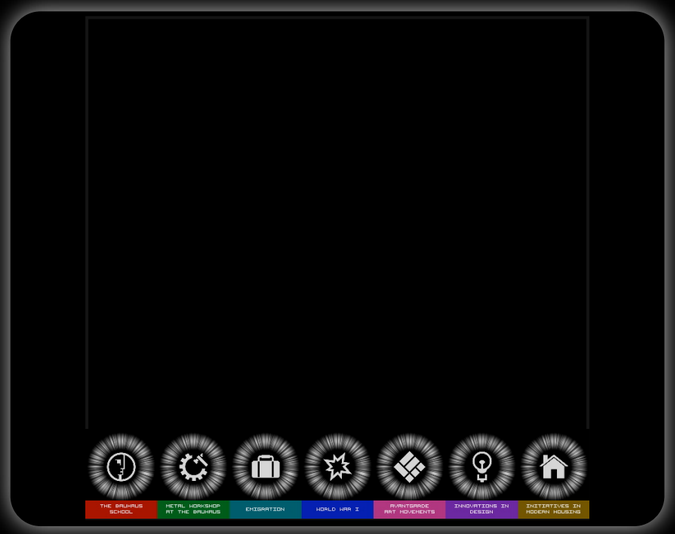

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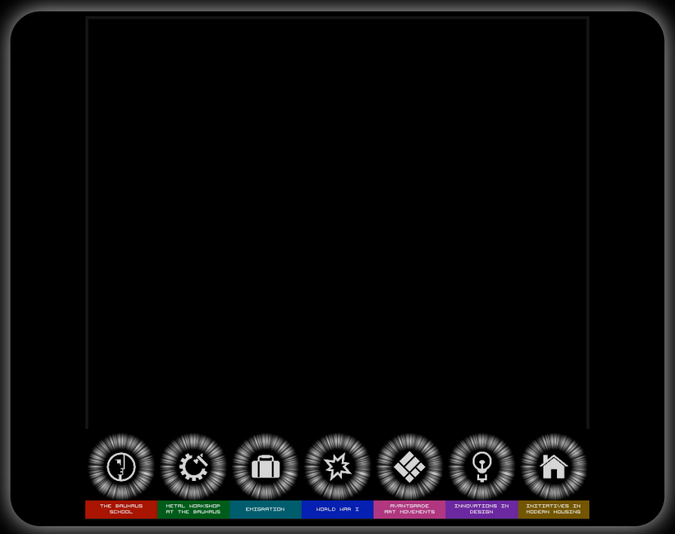

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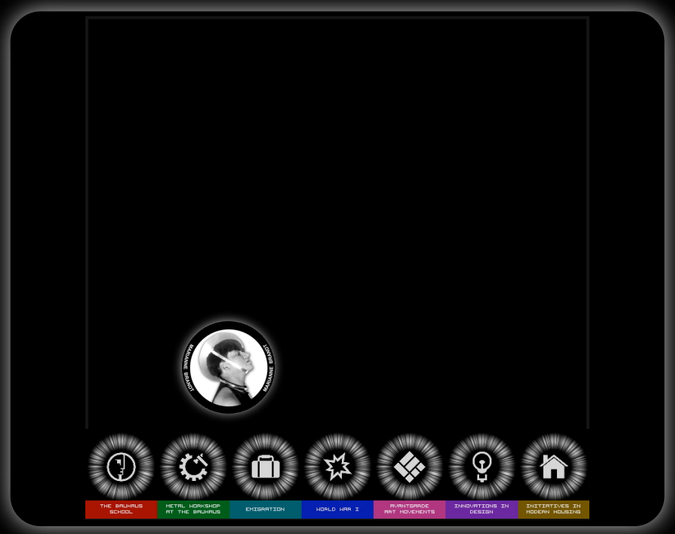
- interactive element
  - portal between the physical and the virtual



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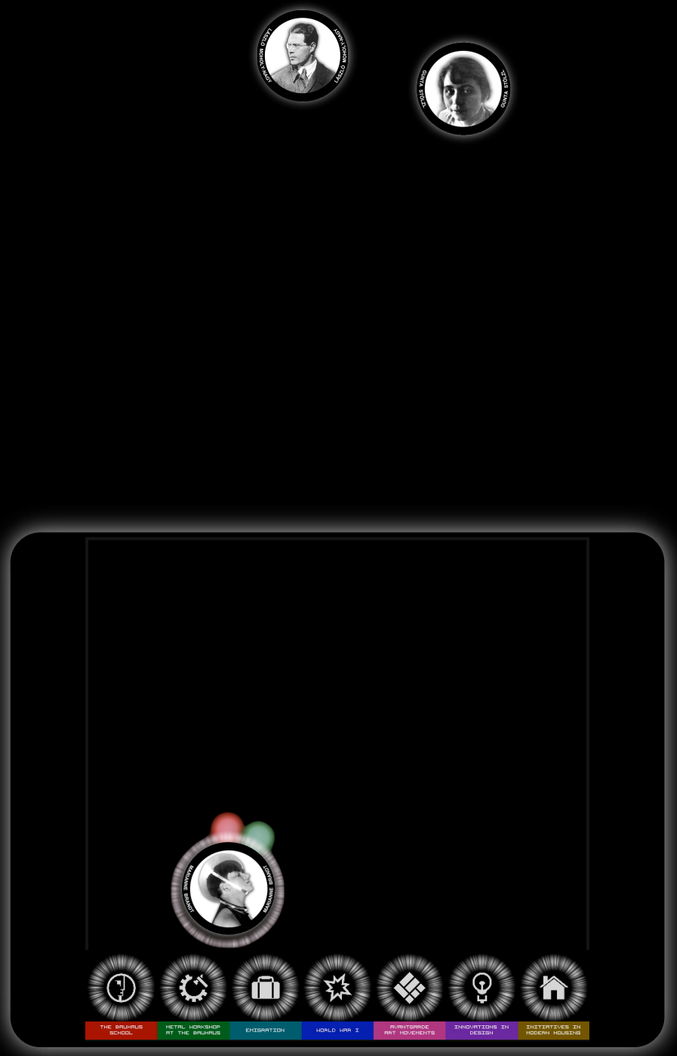

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  - portal between the physical and the virtual
  - shows connections between artists

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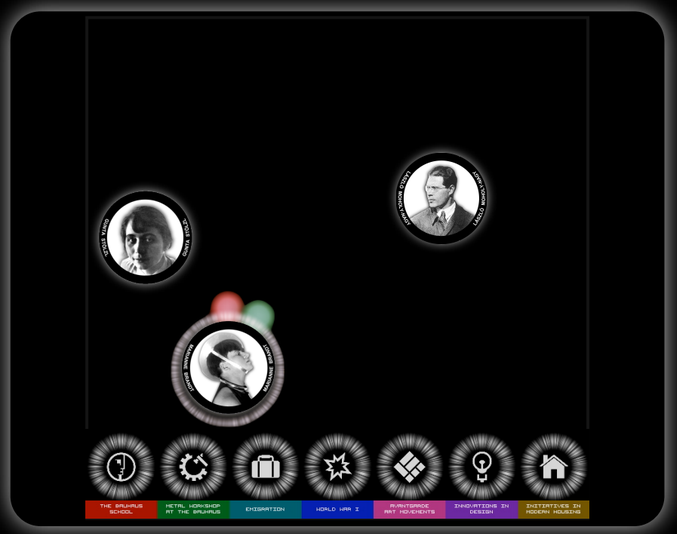

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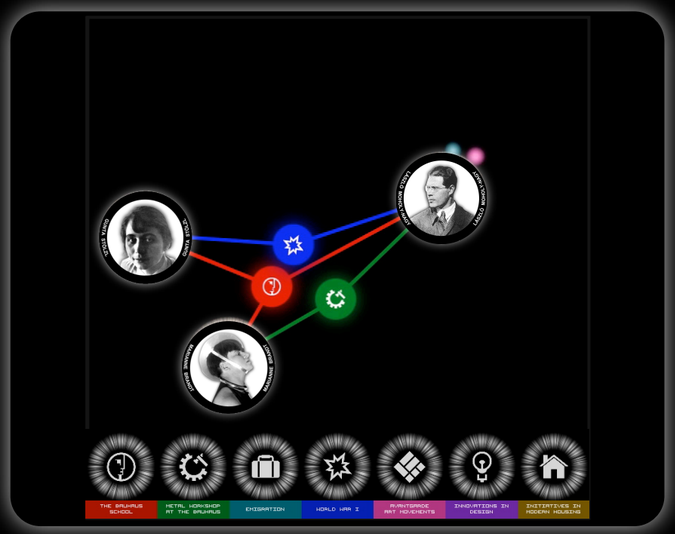

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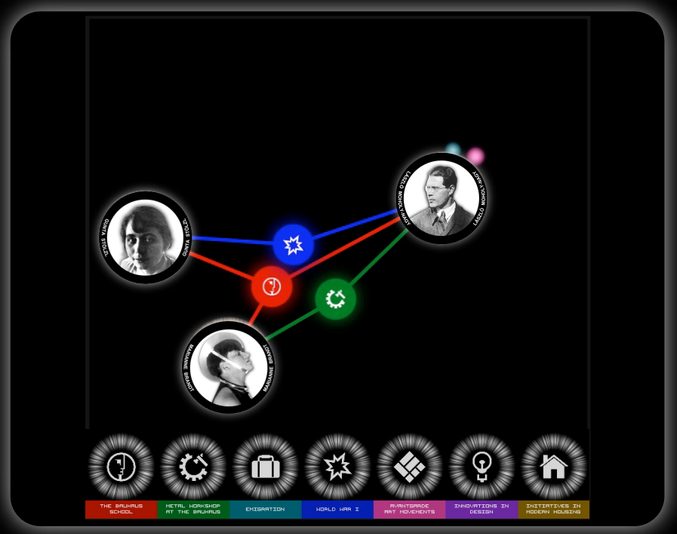
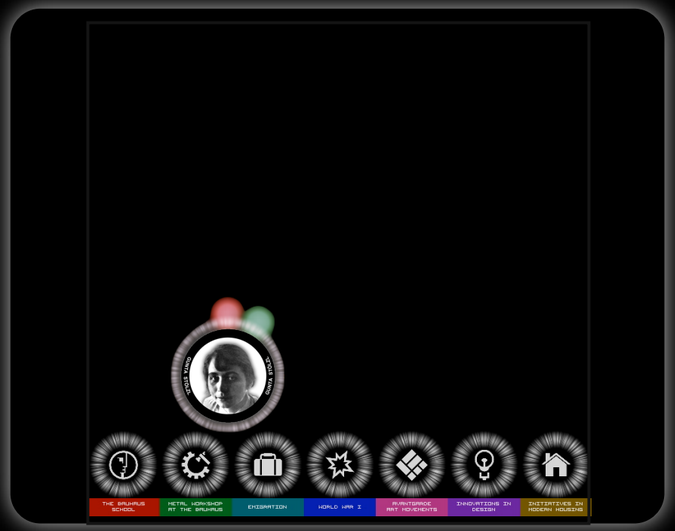


- presents the legend
- interactive element
  - portal between the physical and the virtual
  - shows connections between artists
- allows for custom visualizations

Screen

- presents expanded data
- reacts to input on the table



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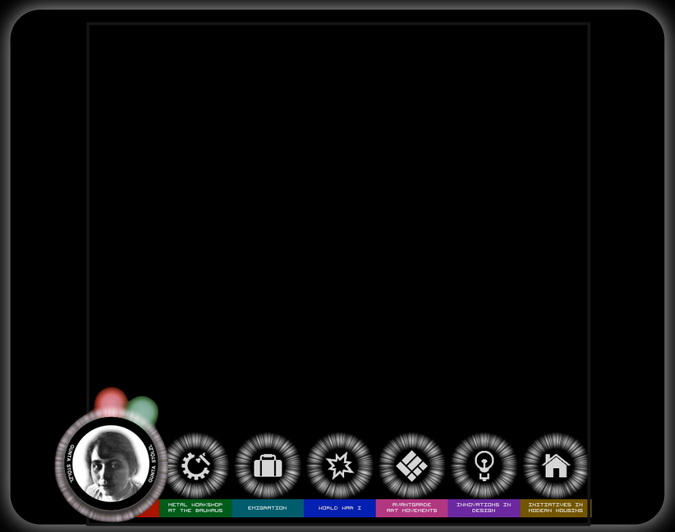

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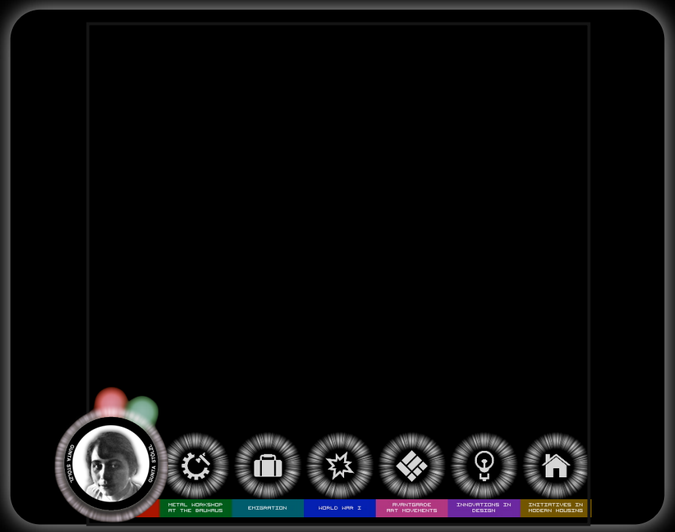

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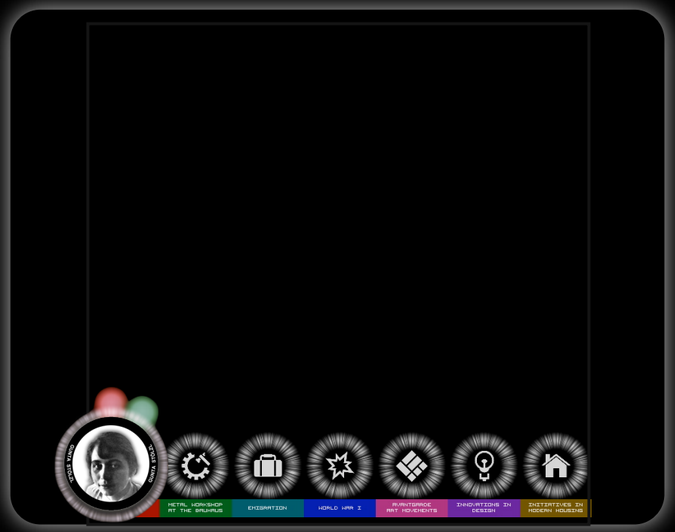
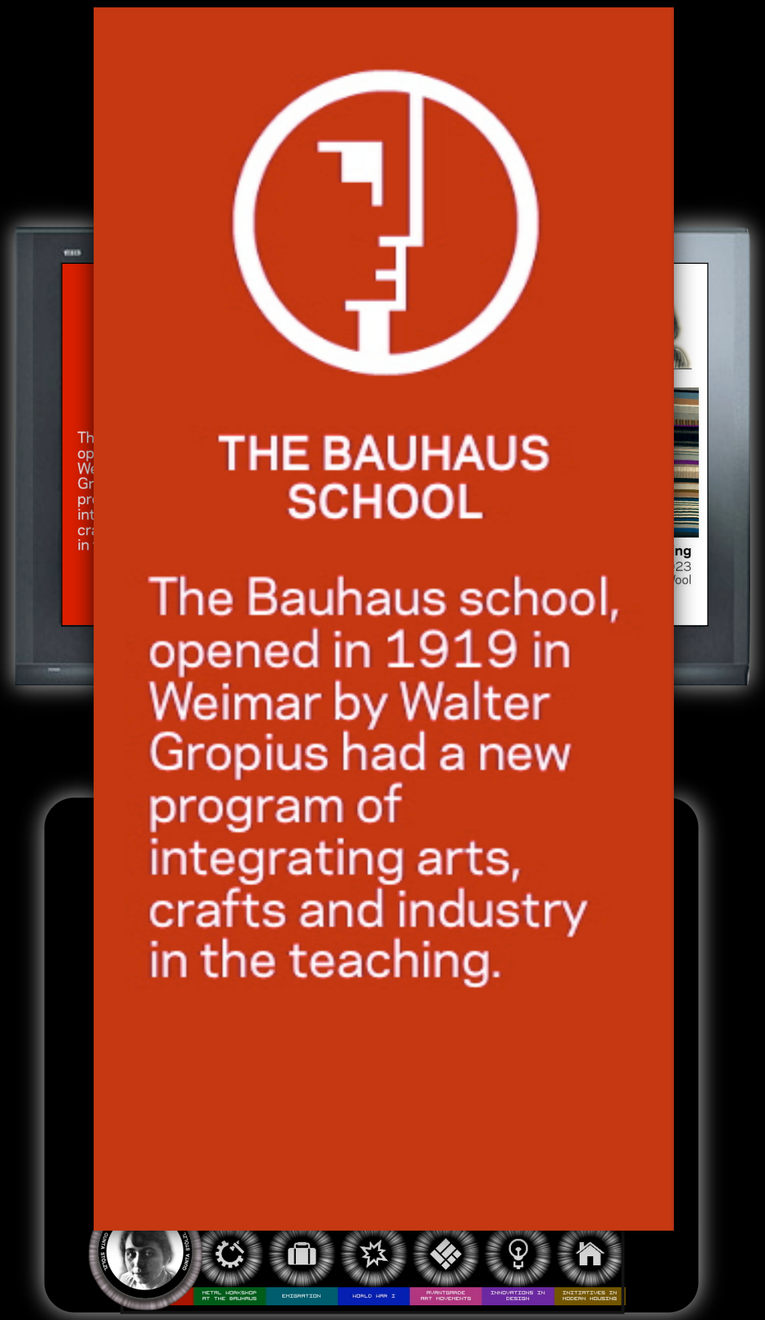


- presents expanded data
- reacts to input on the table
- textual information



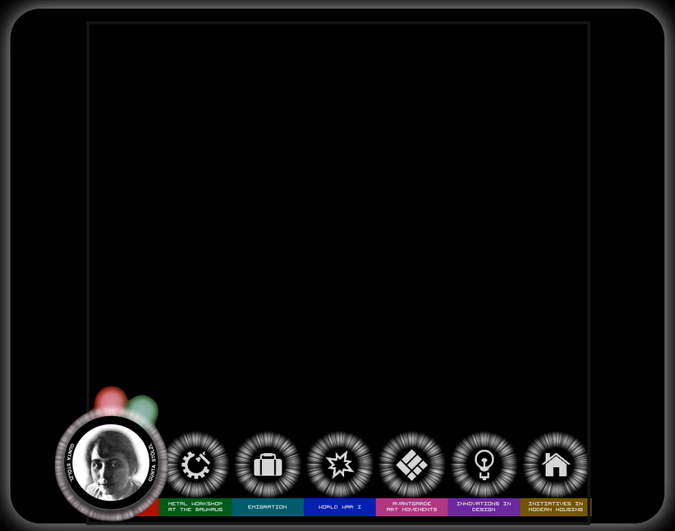
Screen

- presents expanded data
- reacts to input on the table
- textual information
  - presentation of the category

Screen

- presents expanded data
- reacts to input on the table
- textual information
  - presentation of the category
  - relation from the artist to the category

Screen



- presents expanded data
- reacts to input on the table
- textual information
  - presentation of the category
  - relation from the artist to the category
- illustration by an artifact

Three main elements

Markers

Table

Screen

Three concepts

Information

Visualization

Presentation

III - Future

Mapping Modernism

- offers a new information representation system
- easily adaptable to different
  - content
  - environment
  - audience

Mapping Modernism

Akira Sano

Agnieszka Paszkowska

Matti Schneider-Ghibaudo

Laura Sebastián Magaña

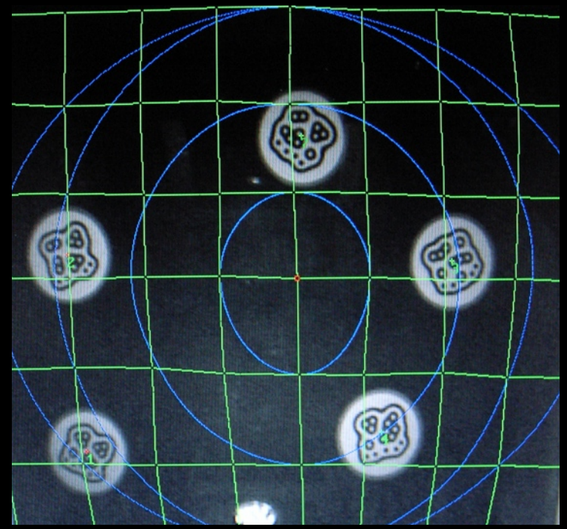
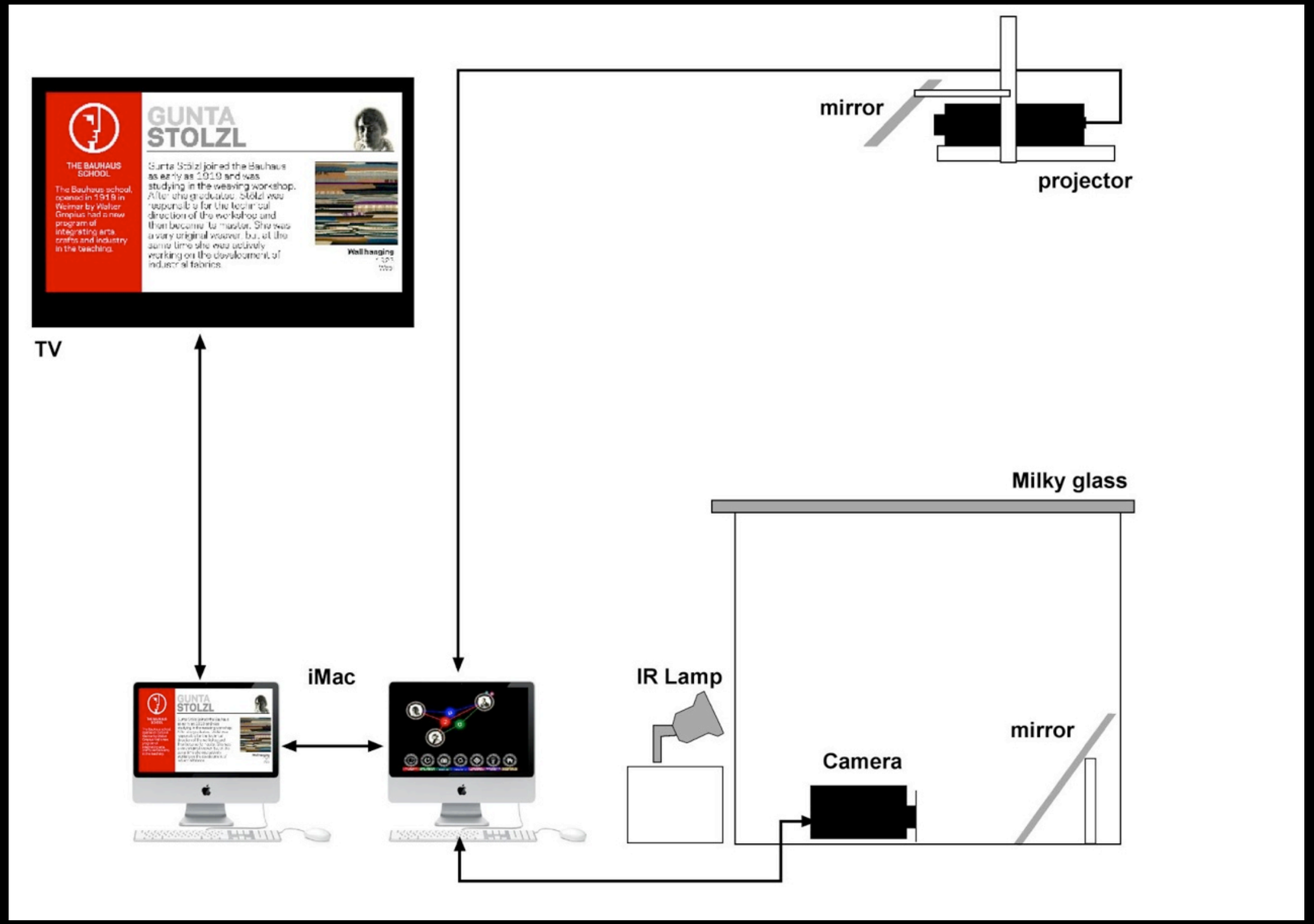
Reha Discioglu

Sampo Jalasto

Lily Dìaz

Technical details

- recognition
  - camera in night shot mode with IR filter
  - illumination by IR lamp
  - reacTIVison recognition software (open-source)
- functional part: JavaScript
- visuals: Quartz Composer (Apple)



Functional diagram