The Price of War

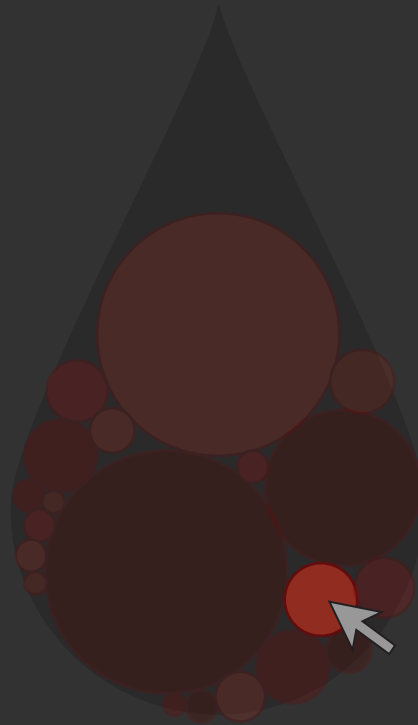Maaria Assami
Professor: Pedro Cruz
Information Design Studio 2
Spring 2016

Main Aim of the Project:

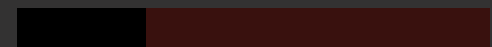Show the huge amount of deaths and losses that were a result of various wars from 1823 to 2003

My original sketch

INTERSTATE WARS
THROUGHOUT HISTORY

Greco-Turkish War
Feb 1897 – May 1897

Winner	Loser
Greece	Turkey

Deaths

600	1600
600 GRC	1600 TR

1823   1853   1883   1913   1943   1973   2003

The end result

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This interactive visualizations was a project done as part of the Design Studio 2 class in the Information Design and Visualization MFA program under the instruction of Perdo Cruz. It captures the grim history of the different interstate wars that happened between 1823 and 2003, and the different details and pieces of information that are linked to each of those wars. those wars.

1823   1853   1883   1913   1943   1973   2003

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War Name:	Third Sino-Japanese
Casualties:	1000000
Start Date:	1937
End Date:	1941

1823   1853   1883   1913   1943   1973   2003

A closer look

using html and scc

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The drop:
Made out of three layers

1- The background drop was imported as an SVG image and placed

3- The circles that were generated by the number of wars. The radius of each circle is the war casualties.
This layer needed:

- A gravity like force to keep the circles from moving around the page
- Another "force" or function to keep the circles from overlapping
- A mouse over function to read the data embedded inside the circles

2- The yellow outline (yellow color only for reference) of the drop (shell) was made out of a vector image, that was then turned into a string of numbers, which was finally split to become X,Y coordinates.
This shell functions as a "cage" to keep the circles inside it and react to circles

| 1823 | 1853 | 1883 | 1913 | 1943 | 1973 | 2003 |

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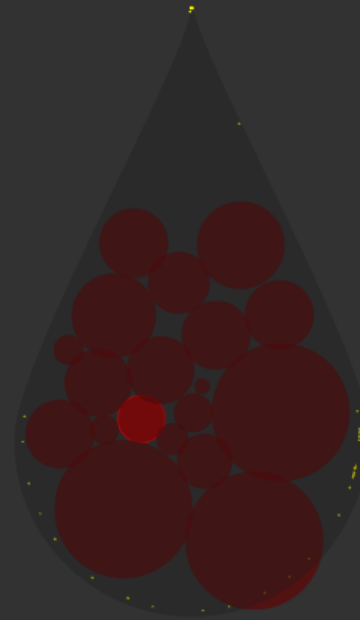
For the tooltip:

- Mouse position had to be set up
- A mouse over function had to be set up to react if it was within the circle radius
- Each war start and end date had to be calculated
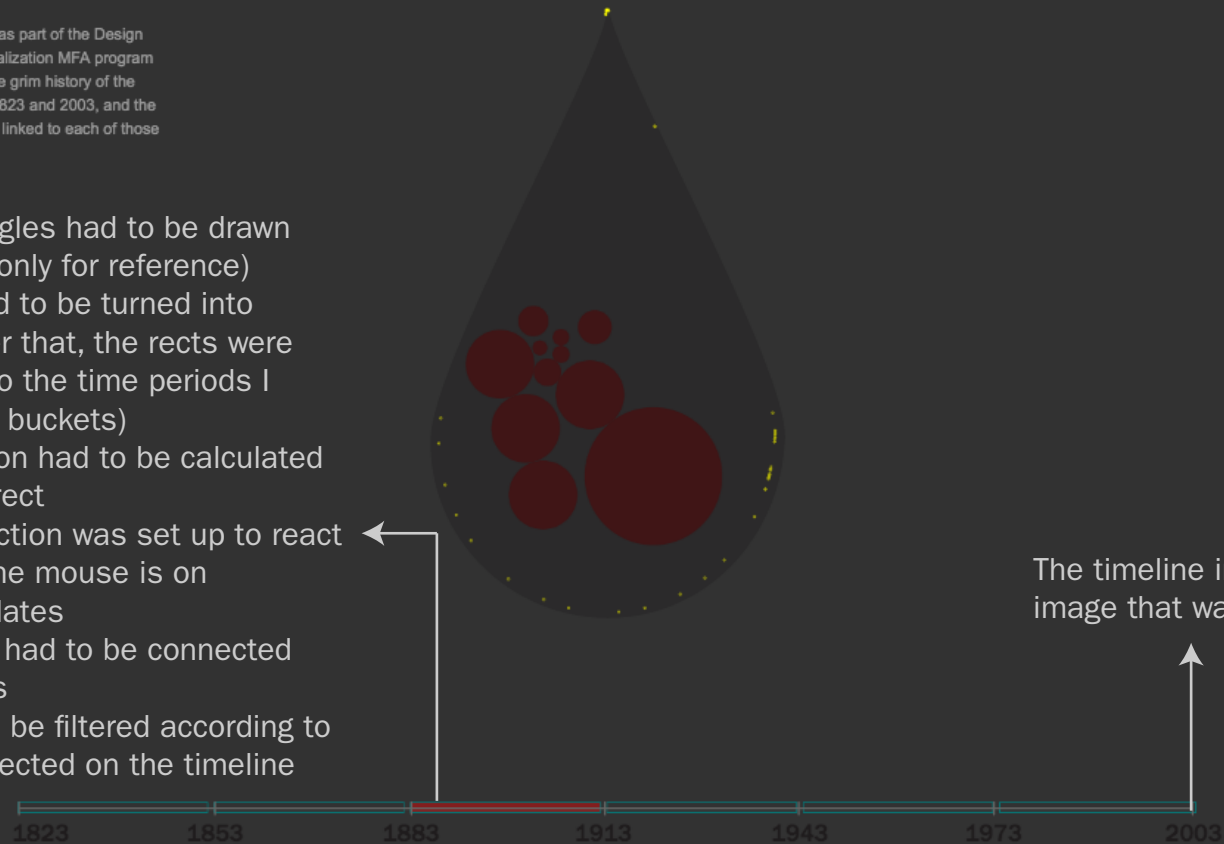- The sum of the war casualties had to be calculated

War Name: Nomonhan
Casualties: 28000
Start Date: 1939
End Date: 1939

1823   1853   1883   1913   1943   1973   2003

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For the timeline:

- An array of rectangles had to be drawn (teal color stroke only for reference)
- The war dates had to be turned into decimles and after that, the rects were drawn according to the time periods I selected (six time buckets)
- The mouse position had to be calculated in relation to the rect
- A mouse over function was set up to react to the rectangle the mouse is on according to the dates
- The timeline then had to be connected back to the circles
- The circles had to be filtered according to the timeframe selected on the timeline

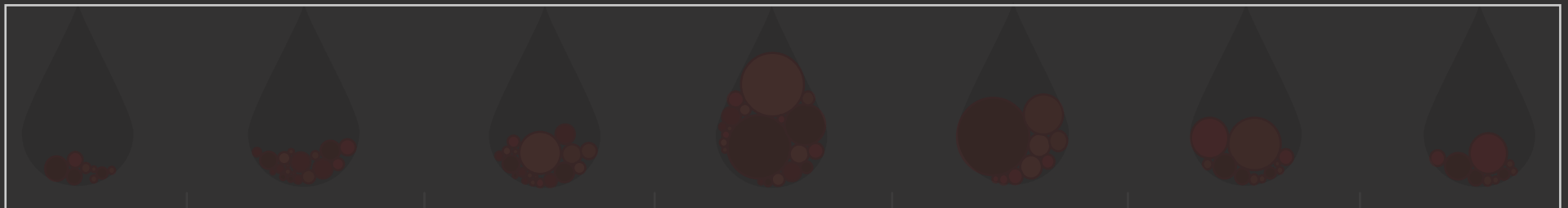The timeline in the back was an SVG image that was imported and placed

| 1823 | 1853 | 1883 | 1913 | 1943 | 1973 | 2003 |

What couldn't be done due to time limitations

INTERSTATE WARS
THROUGHOUT HISTORY

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The search bar

The small drops across the timeline

1823   1859   1895   1931   1967   2003

Thank you