

Ancient roman/greek cities: Task 1

1 Main view

Main view should display a map containing west, central Europe, Mediterranean Basin, North Africa. A user should be able to define time period in which the cities were founded (timeline).

1.1 Displaying a city on the map

- simple circle
- color based on city's status (e.g. colonia, municipium, regional capital) or an icon
- size based on amount of monuments (discussed at seminar)
- Ancient Toponym (name) if there is a space

1.2 Displaying a country

A user should be able to click on any country to view information about roman cities founded in the country.

- Map will be zoomed onto the country with displayed cities and their ancient names.
- A side bar will appear with additional information:
 - Bar chart shows how cities were built at some time period.
 - short text about Romans in the country?
 - list of cities - need to be decided what additional info about the city should there
- Also the country's polygon should be filled with different color than its neighbours.

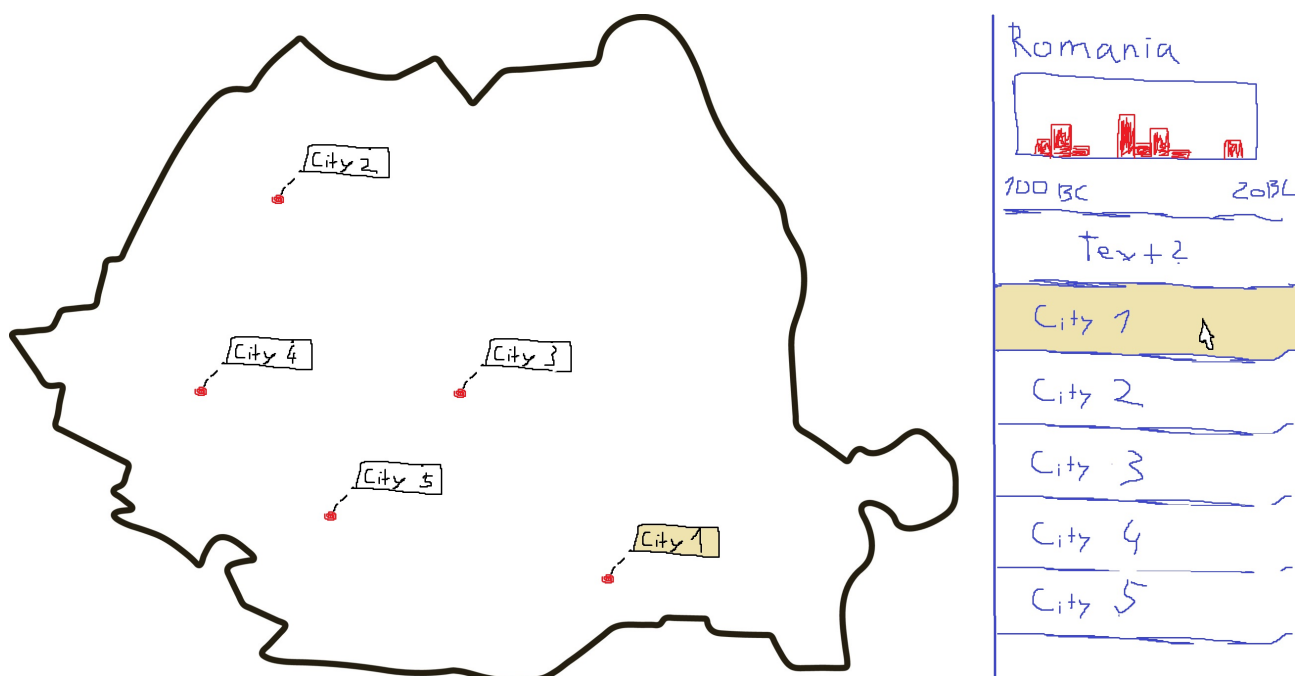


Figure 1: Example for country view

1.3 Displaying a city

A city can be accessed on the main map. After hovering over a card of the city will be displayed.

- Ancient name
- icon of its status - could be hard to find icons
- flag of a country in which is the city
- year of foundation
- today's name
- measurement of today's importance:
 - compares today city with the ancient.
 - rank 1 – 5, e.g. green says that city is more important today
 - rank/importance is determined on today's population size
- icons of monuments in the city (e.g. walls, baths, theatre). If mouse hovers over icon, a photo of the monuments will be shown (if it exists).
- A button could be added to report wrong images.
- if it was destroyed, an icon should be added. If mouse hovers over this icon, an explaining text will be shown.
- Distance from Rome?

2 Data

- Main dataset about roman cities (<http://oxrep.classics.ox.ac.uk/databases/cities/>)
- via script `pop.py` added column about today population of the cities (from city database) to measure today's importance. Unfortunately for some North African/Arabic cities population data were not obtained because of different city names in each database.
- manually collected data about abandoned cities, appr. 15-20 cities
- via script `download_imgs.py` downloaded photo for each monument in each city, can obtain noise data for less known sites. Sample is in folder `imgs`.
- short research about Romans in each country needs to be done.

3 Expected interesting findings

- How many today's important cities were found by Romans/Greeks?
- How far apart were the metropolises? Note that traveling far was slow.
- What country might be interesting to travel to for Roman history besides Italy?
- What was the density of greek cities in Asia Minor (Turkey)?
- What were the farthest cities?

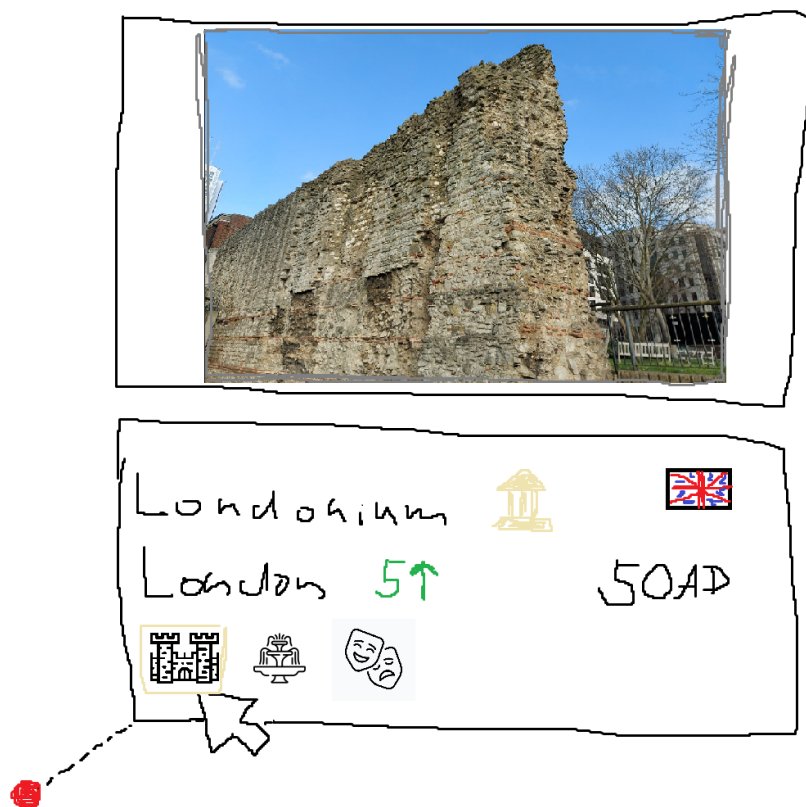


Figure 2: Example for city view