

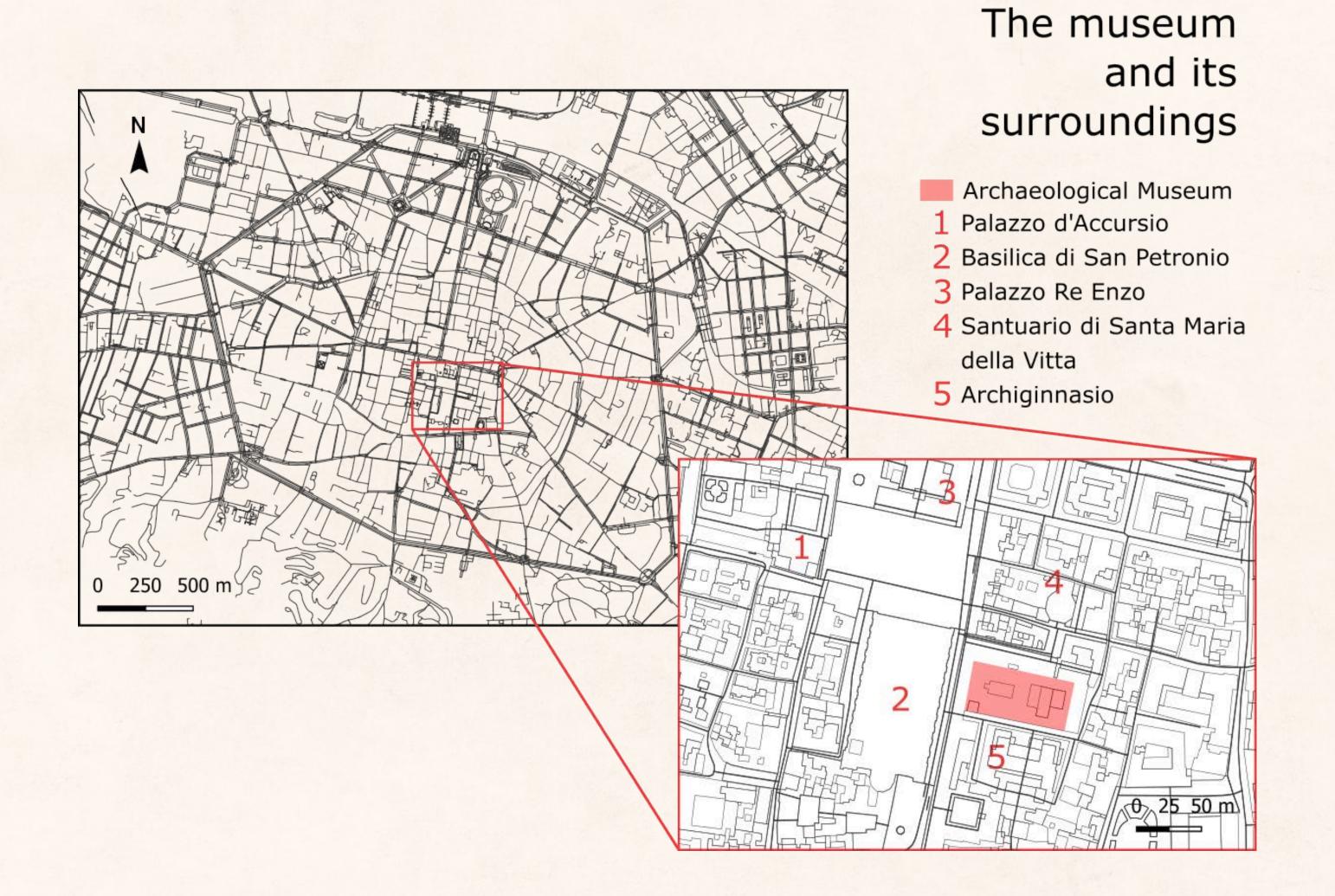
Context Why Bologna?

A city with layers of history

Context Why the Archeological Museum?

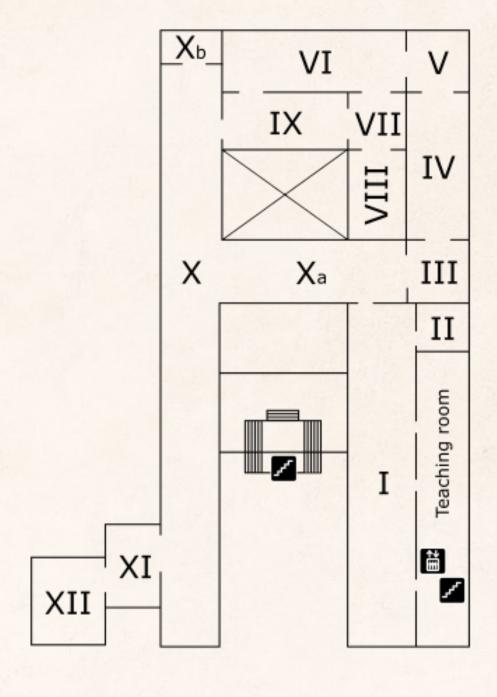
The Archeological Museum as one of the most representative museums of this kind, with rich collections reflecting the city's ancient history comprehensively.



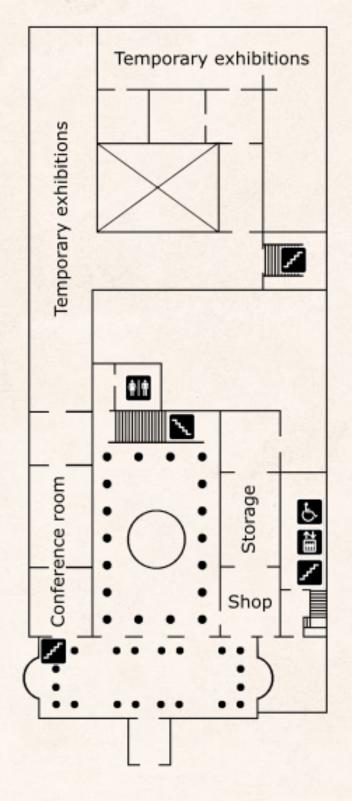


The Museum's Plan

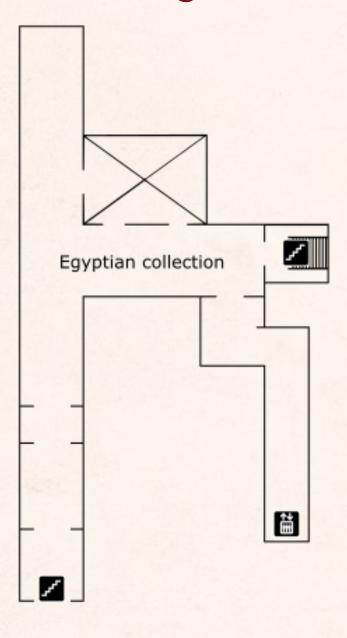
First floor



Ground floor



Underground

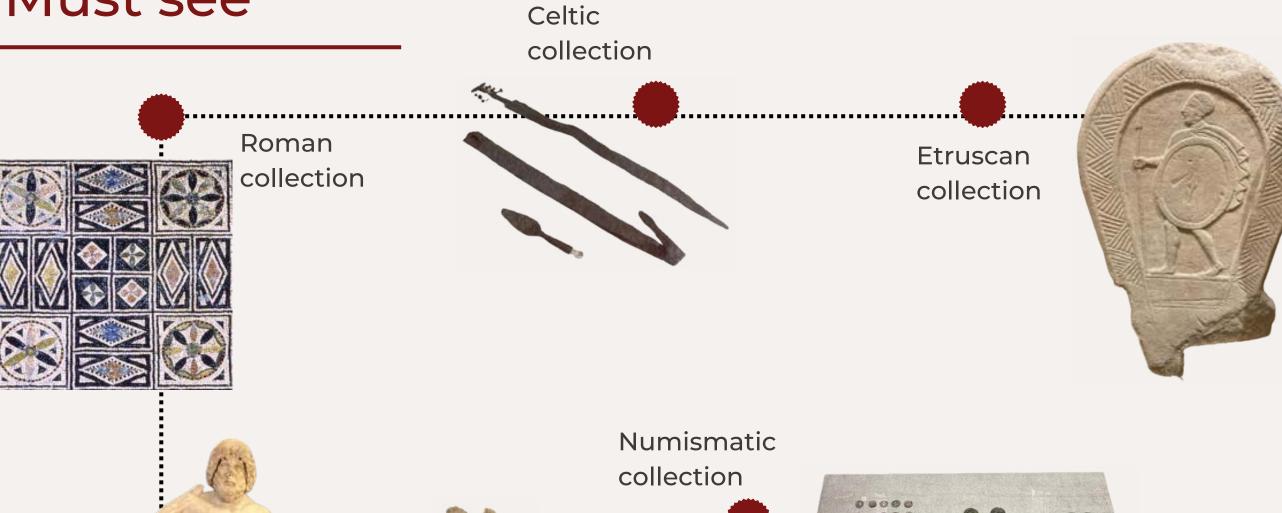


Museum Collections

Must see

Greek

collection



Gipsoteca



Prehistoric collection





Lapidarium

Institutional Goal:

As described in the mission of the museum, the institution aims to represent the history of the city since its origins in Roman times and testifies to ancient civilizations through objects that make up the Egyptian, Etruscan-Italic, Greek, Roman, and numismatic collections, collections that are also witnesses of the history of collecting from the sixteenth century to today. Also, the Institution researches material and immaterial testimonies of man and his environment, acquires them, and preserves, communicates, enhances, and displays them for study, education, and pleasure.



Audience

The audience of our project is students from the middle and high schools, with an average age between 10 and 16 years old.

We had chosen this audience because they are the next generation of Bologna's citizens.











As barriers, we identified some logistical problems, such as the possible high flow of students in the event and accessibility aspects regarding the installations. Another barrier identified was the lack of access to technologies.

It requires the **capabilities** of using the devices as well as basic orientation and text interpretation.

It requires **devices** including smartphones or electronic tablets.

How to achieve that?

Gamified experience:

positive intermittent reinforcement

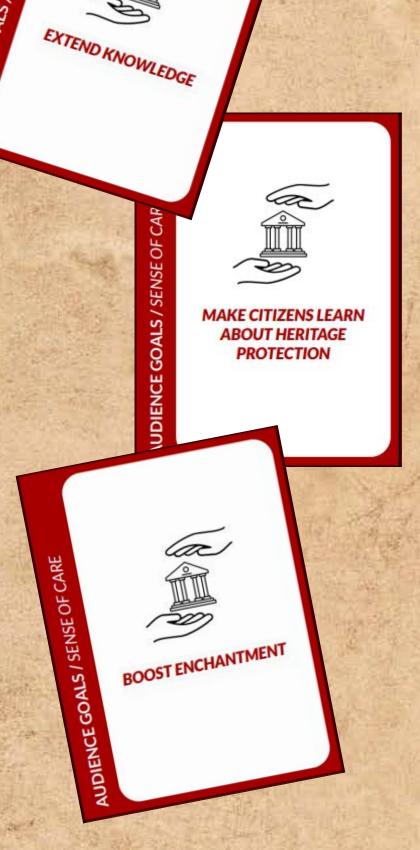


retrieving spatial information



acquiring casual knowledge



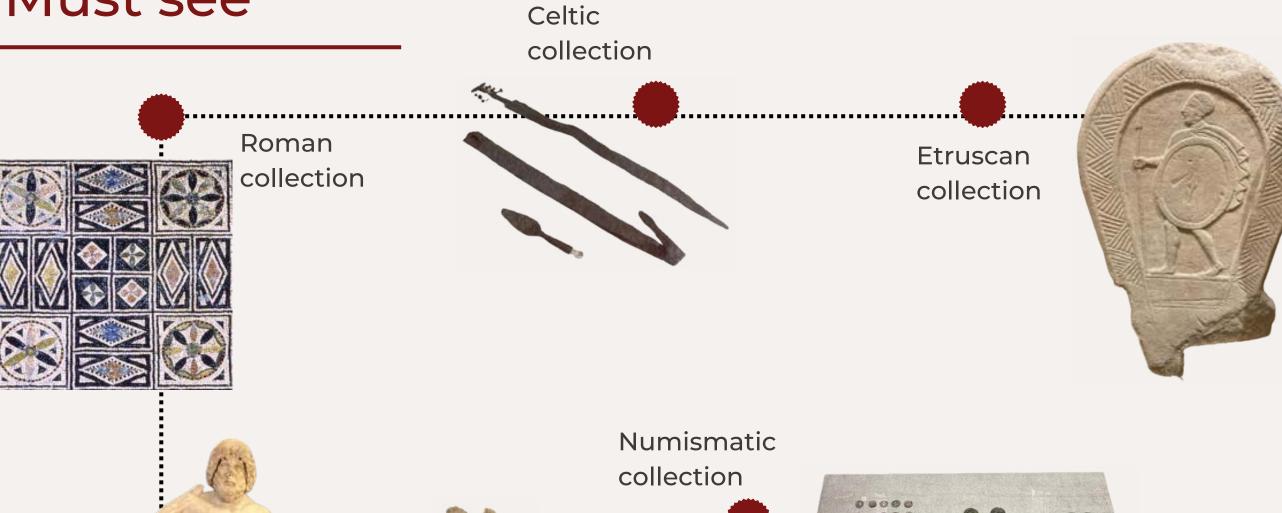


Museum Collections

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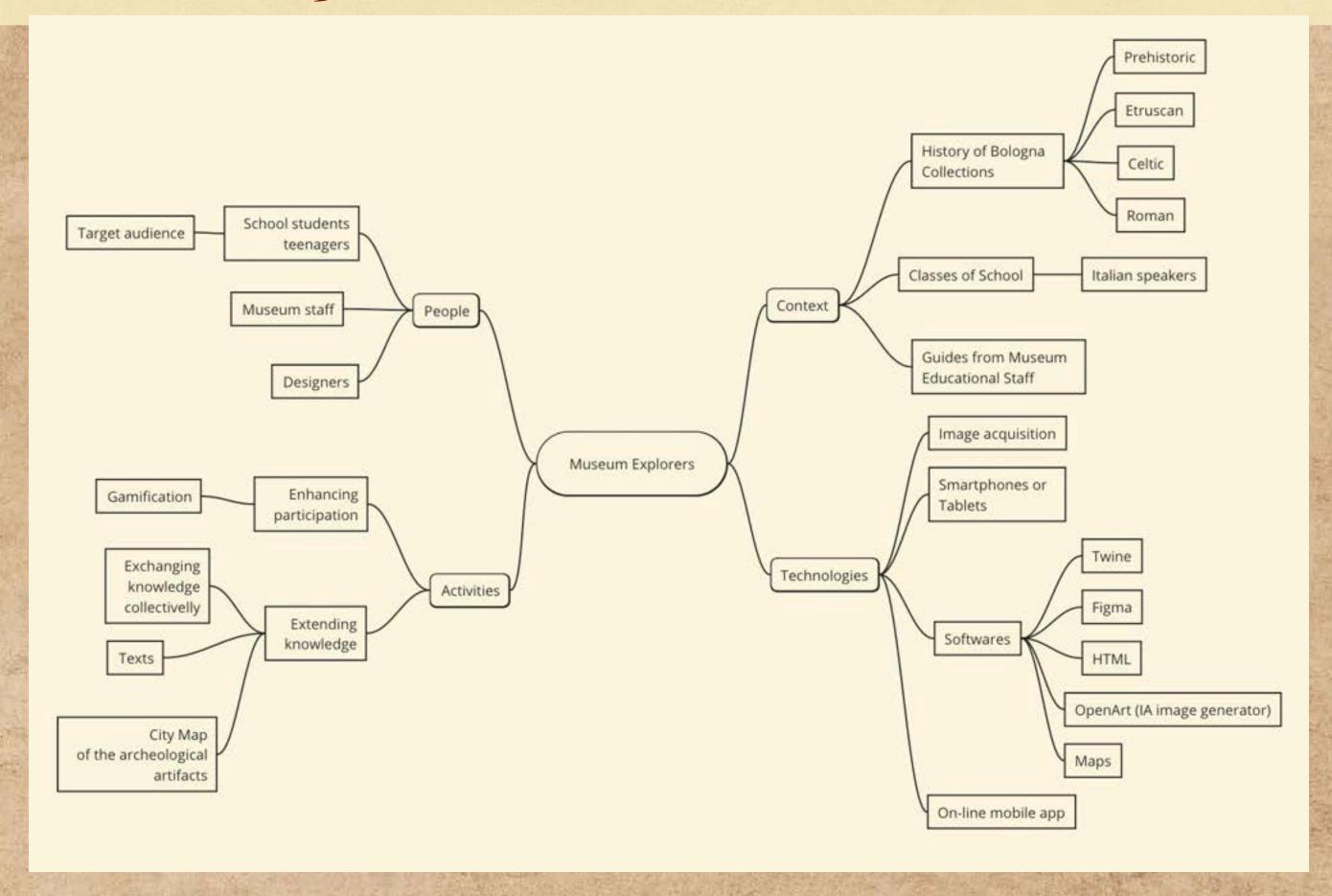
Prehistoric collection





Lapidarium

The Project in PACT Framework



The Concept

BORGON'S LAIR

TREASURE HUNT GAME

- Museum Explorers is a gamification project which uses archeological treasures
- It is based on some of the collections: Prehistoric, Etruscan, Celtic, and Roman collections
- Development of narrations through storyelling & digital means

Study Case

The user finds some of the most interesting objects to understand the material culture that survived until today.

funeral practices





housing

workspaces





nature and domestic animals

Requirements

Must

- Rules
- Defined date
- Devices
- Internet

Could

Should

Contact with the schools

Accessibility options

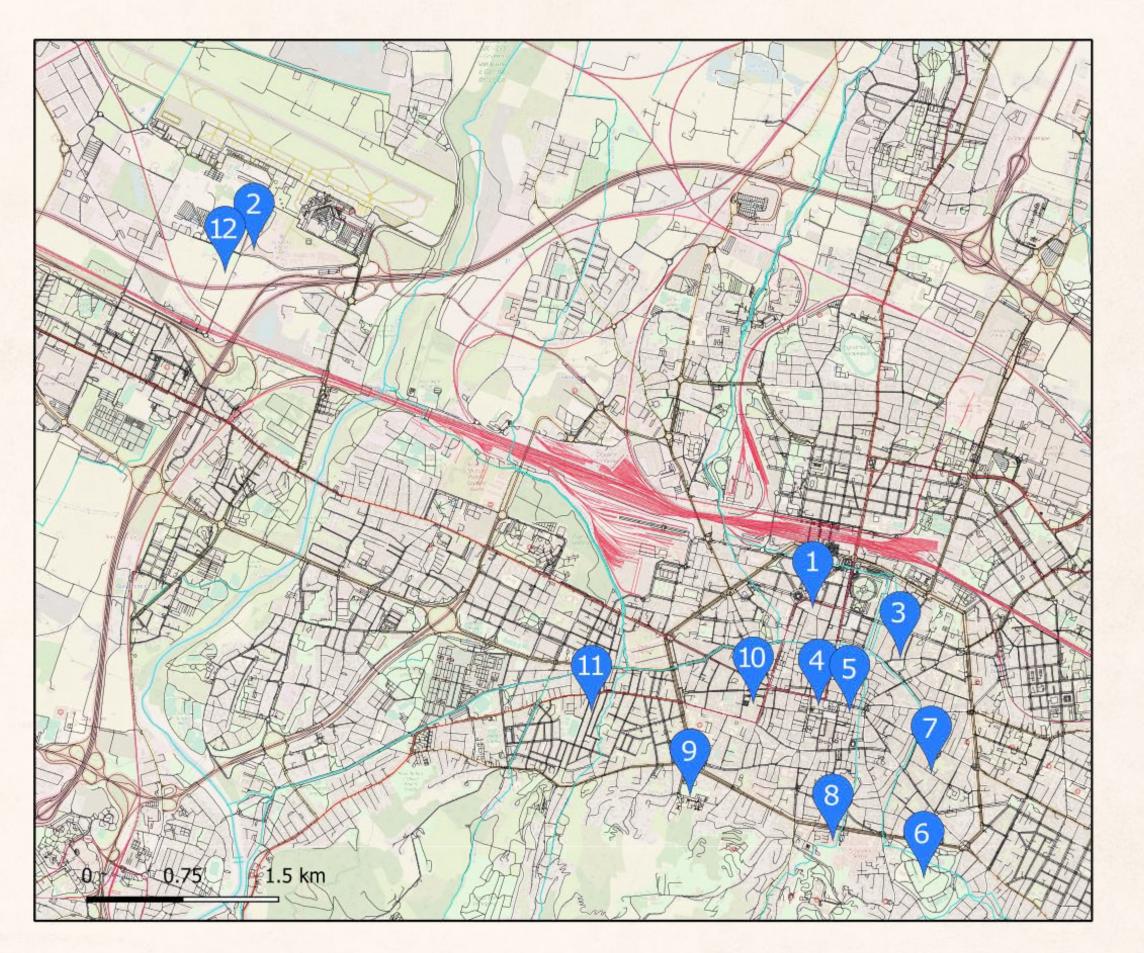
- Previous school recommendations
- Staff support
- Survey

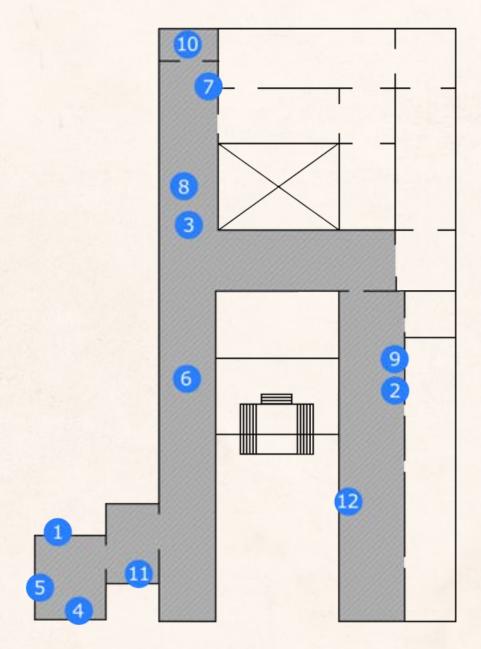
Won't

- Change physical structure of the museum
- Costs
- Profit

Characters and Items







Items Location

- 1.Roman Mosaic
 2.Cup with bird's head handle
 3.Tomb of the two horses 4.Gorgon head antefix
 5.Statue of nymph
 6.Sandstone sculpture of a lion
 7.Etruscan limestone sculpture
 8.Tintinnabulum
 9.Anthropomorphic figure
 10.Large earthenware pot
 11.Bronze helmet
 12.Burial kit

Twine

Acess GitHub repositories

MUSEUM EXPLORERS





Personas

A school student and a history teacher



Marco Santini



The school could have video games'

Age: 14

Student of 9 grade in Scuola Media Statale Enrico Fermi

His mother is a supermarket

cashier: His father works in

an auto repair shop; He also

has a 10-year-old sister.

He lives in Bologna.

Digital native.

Interests: Video Games and

Most frequently

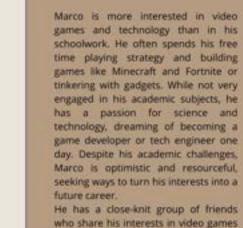
technologies used:





Goals

Marco dreams of becoming a game developer or a tech engineer, inspired by his love for video games and gadgets. Although he knows he needs to improve his school performance to achieve these goals, he struggles with staying motivated in his current academic environment. He hopes to find a way to channel his interests into a future career.



who share his interests in video games. and soccer. They often hang out after school, playing games online, or meeting at the local park for a match. He is active on social media, connects with friends, and follows tech and gaming influencers.





Maria Rossi

History teacher in Scuola Media Statale Enrico Fermi

inging the past to life with

passion and purpose.

Family:

Her parents are both retired school teachers; she has a brother who is married and has two kids.

She lives in Bologna with her cat "Leonardo," named after Da Vinci.

Digital Proficient.

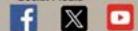
Born and raised in Bologna, Maria developed a love for history early on, inspired by the city's rich cultural heritage. She pursued her education at the University of Bologna, earning both her Bachelor's and Master's degrees in

She believes history is about memorizing dates and events and understanding the narratives connecting us all. She employs various teaching methods to engage her students, including storytelling, interactive projects, and field trips to historical sites around Bologna. Her goal is to make history relatable and exciting, encouraging her students to think critically about the past and its impact on today's world.

Maria fosters an inclusive and dynamic learning environment in her classroom. She uses technology thoughtfully, incorporating multimedia presentations and online resources to enhance traditional teaching methods.









Goals

Maria aims to continue growing as an educator and hopes to eventually write a book on Bologna's history for young readers, reflecting her involvement with the community. She of developing a comprehensive history curriculum that can be used in schools across Italy, inspiring future generations to appreciate and learn from the past.

Frustrations

Maria Rossi aims to navigate her professional and personal life adeptly, striving to avoid overreliance on technology in her teaching while keeping students engaged and avoiding administrative burdens and burnout. Personally, she seeks to balance independence with social connections, manage her time effectively, maintain a healthy relationship with technology, keep up with its rapid changes, and prioritize her health and well-being.

Interests: Literature and cooking, besides history.

Most frequently



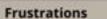








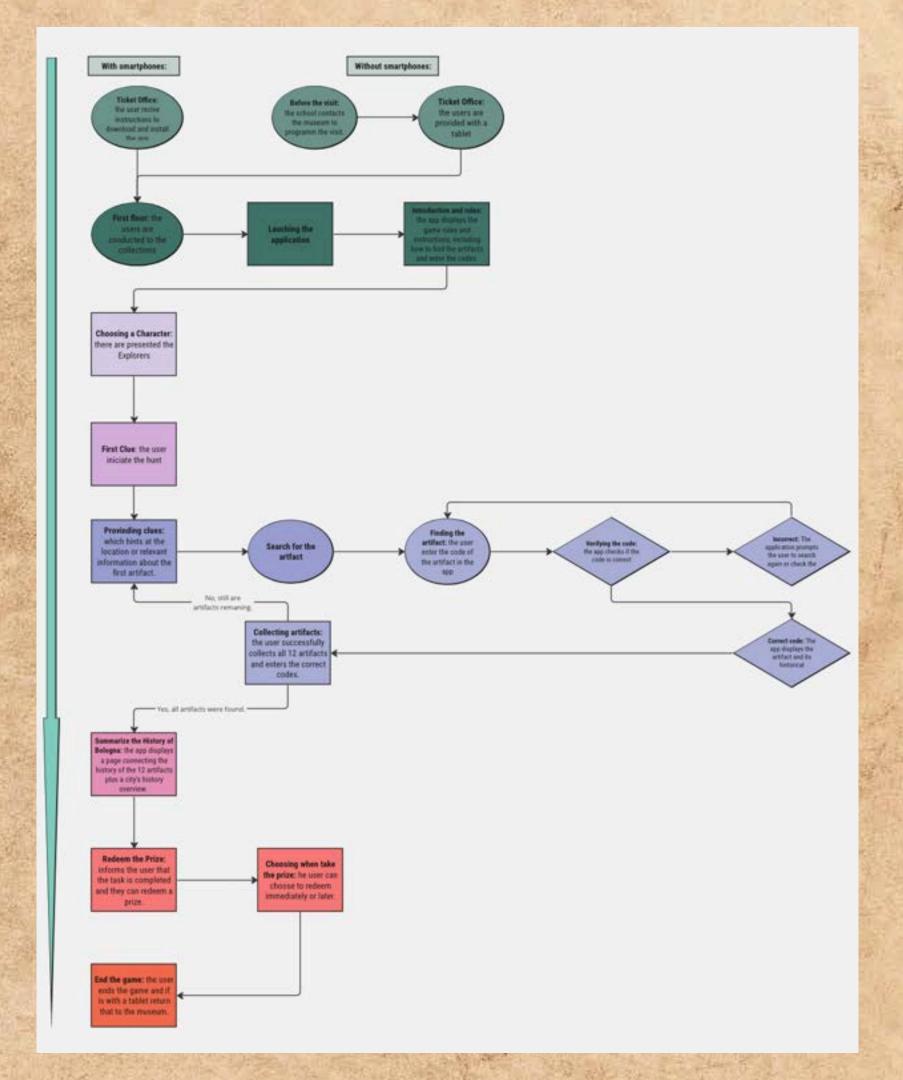




Matteo faces the challenge of staying motivated in school. His lack of interest in traditional academic subjects often leads to mediocre grades, which could hinder his future opportunities. Additionally, balancing his gaming time with other responsibilities is an ongoing struggle. Despite these challenges, Matteo remains optimistic, relying on his resourcefulness and passion for technology to guide him forward.

The Interaction Between the Appilication and the User

see on Miro



Figma

Acess Figma repositories



Disruption

Schools are not informed about procedures

Accessibility adaptations

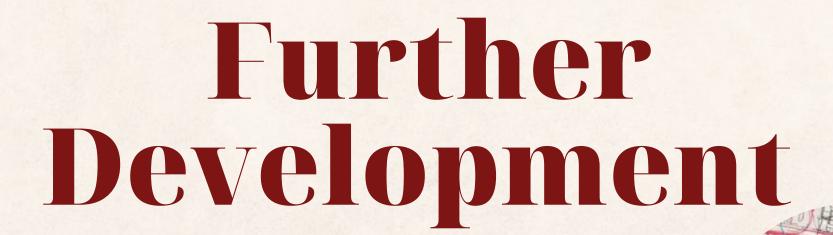
Loss of interest

Noise and other interferences

Bugs, crashes, or compatibility issues

Insufficient devices

Wi-Fi issues



Post visit

<u>Treasure hunt inside</u> <u>Bologna though QRcodes</u>



Connections

interconnection with other museums



Team Roles

Carla Menegat	Bibliographical research Image acquisition Workflow design Development of personas Development of characters	
Rubens Fernandes Jr	Image acquisition Workflow design Twine development Maps design	
Virginia D'Antonio	Bibliographical research Image acquisition Workflow design Development of characters	
Zizhe Lin	Workflow design Figma application designs	

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