

## Living LAB or Mobile Geolocated App

Deliverable 4.4





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Submission date	13 June 2024	
Author, editor and contributors	Authors: Antonia Agapiou (CYI) George Artopoulos (CYI)	
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#### **About DCbox**

DCbox "Digital Curator Training & Tool Box" works to create a new generation of European professionals working in the cultural heritage sector, equipped with a recognised, cross-cutting and high-level digital skillset. The project is funded by the Erasmus+ programme of the European Union during the period November 2021 - May 2024.

### DCbox is implemented by:

- Università Politecnica delle Marche (Italy) coordinator
- Sinergia Consulenze Srl (Italy)
- University of Cordoba (Spain)
- The Cyprus Institute (Cyprus)
- Universidade Lusófona/COFAC Training and Cultural Animation Cooperative (Portugal)
- UNIMED Mediterranean Universities Union (Italy)
- University of NIS (Serbia)



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### **Executive Summary**

This document represents a textual synthesis of the Del 4.4, Mobile Geolocated App.

Prototypes of virtual experiences were collaboratively designed, created, and tested in the Virtual Open TOOLBOX and in presence through specific living LABs, each experimenting with digital tools to access, understand, and share cultural content related to various heritage features. The primary goal is to familiarize students with digital cultural heritage (DCH) tools, providing them with a cross-disciplinary confrontation experience and a DCH toolkit for their future careers. The key outputs of this result are the prototypes, which functioning is explained in the videos that were prepared by the teachers and students by each academic partner. The present document serves to summarize the steps and learning experiences for both students and teachers.

The present document is complemented by a playlist in Youtube DcBox channel, in which is possible to see the Prototypes in action: https://www.youtube.com/watch?v=pYAH4ri72LQ&list=PLqd6hOCBhPvgafeiTPj FMzBZpFGbrpZ0



### **Table of Contents**

Executive Summary		4
Result 4 - Virtual experiences Prototypes		6
The bootcamp	6	
The implementation of the prototypes inside the unit	7	
The hackathon	9	
Appendix - The prototypes presentation	12	



### Result 4 - Virtual experiences Prototypes

The Leader of the PR4 Virtual Prototypes is UNIVPM. According to the application a minimum of 4 and a maximum of 8 students will have access to each living LAB.

The Living Lab on Mobile Geolocated App was led by The Cyprus Institute and reached the results of 4 students working actively on their app and producing their prototypes, with an important involvement of associated partners both in the case of hosting a trainee and in the case of supporting the implementation of the project work. The technology of a geolocated app, will be above all for outdoor heritage and landscape, as these aspects are very diffused in Cultural Heritage projects mainly for touristic purposes. From the skills point of view, it will enable the students to set up a database, to organise information in order to reach the interest of visitors for planning heritage/archaeological tour (virtual or in presence), to customise searching with filters and elaborating customised routes.

The Living LAB on Mobile Geolocated App managed by CYI lasted a comparable timing in order to ensure the possibility to develop the prototypes to their best possible levels. The real conclusion of the Living Lab was the Multiplier Event by CYI that was held on 18<sup>th</sup> May 2024. By the content point of view, teachers and students collaborating in the Living Lab have based the prototypes on the creation of immersive, innovative routes around the city of Nicosia and surrounding area.

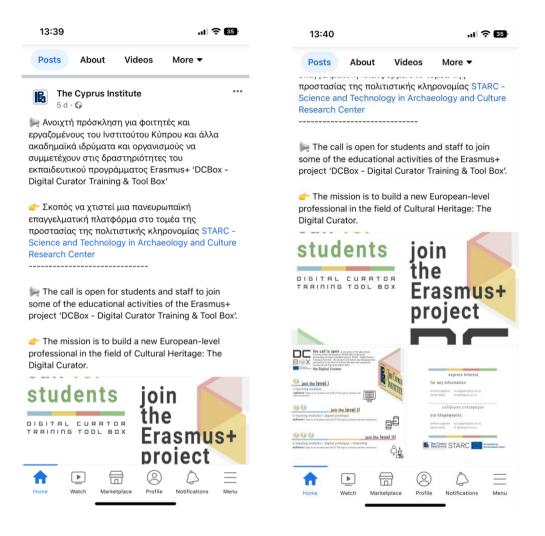
### The bootcamp

On **9**<sup>th</sup> **of December 2022**, third day of the Learning Training Activity in Lisbon, a Boot Camp and international conference took place. Participants included DCbox partners, students, cultural heritage professionals, and Portuguese museum representatives. Discussions focused on the DCbox approach, expected outcomes, activities, and the digital skills needed for future professionals in the creative and cultural sectors. Prof. Ramona Quattrini introduced the project, followed by presentations from The Cyprus Institute, Università Politecnica delle Marche, University of Cordoba, and University of Nis, showcasing their work in digital cultural heritage. Stakeholders from Lourinhã, including a local museum and NGO, also presented. The event marked the start of the DCBox Result 4 activities with an online Bootcamp and a design thinking phase for Digital Cultural Heritage experiences. The hybrid workshop had 20 in-person attendees and 31 online participants.

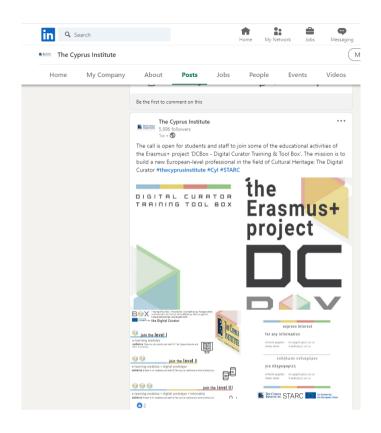


#### The implementation of the prototypes inside the unit

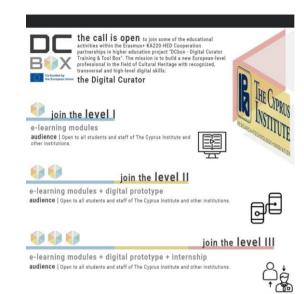
With the aim of engaging an adequate number of sufficiently motivated students to the learning path on digital curator, a call was launched within The Cyprus Institute and the Cyprus Institute Graduate School. The call was communicated through posters inside the faculty premises, posts on social networks (Facebook, Instagram), LinkedIn.















By this dissemination activity, it was possible to involve different student profiles participating in the Living Lab: 4 PhD students and 1 MSc student. Our students bring to the DCBox Living Lab different educational and professional background - an art historian, a conservator, a bioarchaeologist and an archaeologist.

The implementation of the tutoring and review activities for the Living Lab have been carried out with a mixed approach and they were organised in the following way:

- Theoretical and practical workshops at CYI's STARC facilities regarding the data acquisition for the mobile geolocated app.
- Tutoring in the using and navigation of Actionbound for the creation of 'bounds' and storytelling routes through Nicosia and Troodos mountains.
- Periodic online meetings for progress tracking.

For the details on the single students experience in the Living Lab, see the D5.1 Training &report Each university.

#### The hackathon

Since the application form, at the end of the VLab activities an Open Hackathon (M21) was foreseen in order to give visibility to students' activities and also to test the prototypes with final users of DCH experiences. During the implementation of the project, the Hackathon took place in a blended mode. Since it was synchronised with a project meeting held in July 2023 in Ancona, Italian students took part in the Hackathon while the others joined virtually via videoconferences tools such as MS Teams. See agenda below:

# Thursday 20th of July 2023 – OPEN HACKATON for STUDENTS' PROTOTYPES Facoltà di Ingegneria - C-LAB, ROOM C-Class q 155

Hours	Title	Partner	Contents
9.00 - 9.30	Registration of participants and welcome	UNIVPM	
9.30 - 9.40	Opening Remarks	UNIVPM	Francesco Fatone –Delegate for Research Engineering Area and international ranking  Enrico Quagliarini - DICEA Director  Ramona Quattrini – DCBox LP scientific responsible
9:40	Rita Santos	LUSO	Museum Bordalo Pinheiro



9:50	Edson Lourenço	LUSO	Lourinhã Museum
10:00	Theo Shaheen-McConnell (also on behalf Benjamin Adoba Ayida)	СҮІ	Historical Forests of Troodos
10:10	Natalie Milanese Branca	CYI	Leventis Gallery
10:20	Nicolette Vollero Levy (also on behalf of Biyang Wang)	СҮІ	Ottoman balconies of Old Nicosia
10:30	Soodabeh Sajadi	CYI	Cultural landmarks of Nicosia
10:35	Q&A		
10:40	Martina Manfroni	UNIVPM	Civic Gallery - Ascoli Museum system
10:50	Luca Bondi	UNIVPM	Auditorium Pedrotti - Pesaro
11:00	Sofia Diomedi (pres. By Mirco D'Alessio)	UNIVPM	Numana Antiquarium
11:10	Ludovica Leonardi (pres. By Renato Angeloni)	UNIVPM	Civic Gallery Ancona
11:20	Q&A		
11.30 – 12.00	Coffee Break		
12:00	Marina Marín Expósito + Álvaro Arteche (pres. by Massimo Gasparini)	UCO	Sculpture collection of Roman town of Mellaria
12:10	José Manuel Ordoñez Sojo (pres. by Massimo Gasparini)	UCO	Epigraphic collection of Roman town of Mellaria



12:20	Aleksandra Stojkovic	NIS	Museum of Ponisavlje
12.30 – 12.45	VR Tool Presentation and Prototypes Final Delivery definition	UNIVPM	Presentation of the VR Tool integrated in LMS.  Final delivery requirements and time scheduling
12.45 – 13.00	Q&A		
13.00 – 13.15	Concluding Remarks	UNIVPM	

As it is clear in the agenda, the hackathon was conceived to engage students in a collaborative and interdisciplinary environment where they design and develop virtual experiences for cultural heritage sites using digital tools. The hackathon aims to foster creativity, problem-solving skills, and practical application of digital cultural heritage (DCH) technologies.

The students were invited to highlight in their speech <u>open Points and challenges</u>: each student or team documented ongoing challenges, such as technical limitations, user experience design, and content accuracy.

A <u>Demo Session for testing and feedback</u> the more robust and advanced prototypes was held, in which some teams presented their mock-up to peers, mentors, and a panel of judges, some live demonstrations to showcase functionality and user interaction.

A feedback loop with constructive critique from judges focusing on usability, innovation, and cultural relevance was also provided.

The Q& A session was intended as a <u>discussion and wrap-up</u>, it included summary of key takeaways from the hackathon and networking session to foster future collaborations and a discussion on the possible exploitation of the VR module in the LMS.

Not all the students participating in the Living Labs were able to connect or be present in the hackathon, especially because some students were involved later than the initial schedule. However, the leader of R4, UNIVPM, decided to keep the conduct of the living labs open, so as to ensure as many participants as possible and to retrieve some prototypes that, for individual students' career reasons, had not been completed before the hackathon. Summarising the number of the students enrolled in the DCbox learning path, as reported in the D 5.1 Training &report Each university, is higher than the students participating in the hackathon.

In order to receive the students' feedback, some interviews were collected, see:

https://www.youtube.com/watch?v=c3ajdjGBnw0



## **Appendix - The prototypes presentation**





Living LAB on Mobile Geolocated App



# Nicosia: Evolution of a City

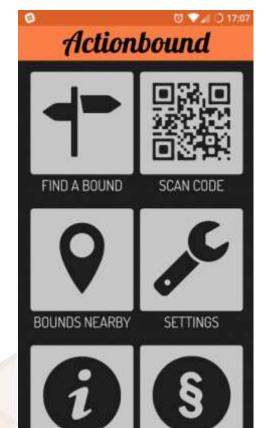
Natalie M. Branca

The Cyprus Institute

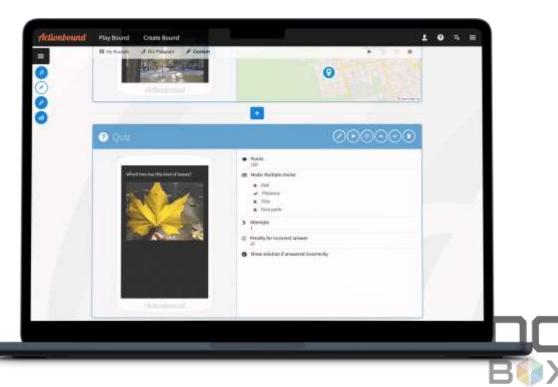


## **ActionBound - The platform**

Actionbound is an app for playing digitally interactive 'scavenger hunts' to lead the learner on a path of discovery. This app has been used to develop the prototypes for the DCBox project. The app can be used for education purposes and as a tool to explore the hidden history, the untold stories of Nicosia, and visit the Troodos mountains in our cases. The program quite literally augments our reality by enhancing peoples' real-life interaction whilst using their smartphones and tablets. The creator is able to take full advantage of the huge potential of gamification with the extensive game elements and tools like GPS locations, directions, maps, compass, pictures, videos, quizzes, missions, tournaments, QR codes and much more.





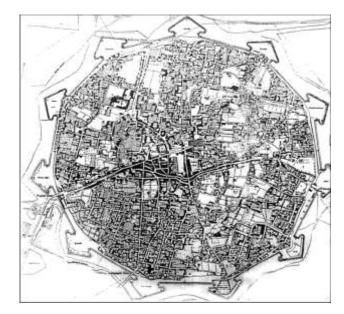


## **Inspiration and Concept**

- Inspired by Bomb Sight. An application that gives the user a glimpse of London post WW2 Blitz bombings.
- Focus on the historical centre of Nicosia.
- Eplore hidden locations that are no longer visible in the landscape.
- Gamers are offered insights to the evolution of Nicosia through time



Source: Mail online



Source: Nicosia Master Plan

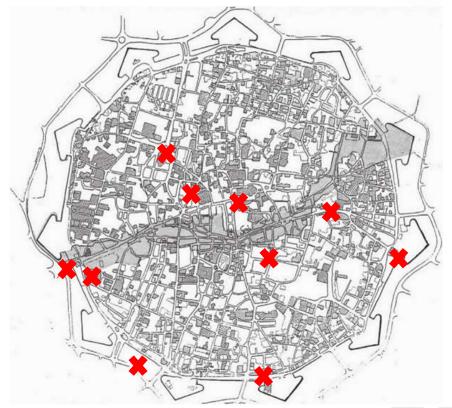


## **Research phase**

- Research was conducted using historical and archaeological sources, both primary and secondary, including:
  - Archaeological reports
  - Journal publications
  - Online resources
  - Ethnographic accounts (traveller's accounts)
- The tour had to be walkable, follow a clear path and a chronological order.
- 9 points of interest were identified.











## **Story development**

The gamer is a time-traveler who became stuck in the past and will have to find the portals hidden through time to return to the present.

The journey begins at Eleftheria Square located at the border of the Venetian walls. Its modern design provides a glimpse into the vision for the future of Nicosia, against the backdrop of the historic buildings that speak to its past.



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Al generated image



### **Characters**

- Two obscure figures from the Cypriot past were selected to be the guides.
- The gamer is given a choice of who will be their guide.

### **Samuel Brown**



- British who came to Cyprus in 1878 to work as a government engineer.
- Invested in several archaeological expeditions during his stay in Cyprus.
- Was appointed keeper of the Cyprus museum.
- His wife is buried in Nicosia.

### Magda Ohnefalsch-Richter

- Wife of German archaeologist Max Ohnefalsch-Richter.
- Cultural anthropologist who wrote a famous ethnography about Cyprus.
- Joined her husband in many of his archaeological expeditions in Cyprus in the 1900s.

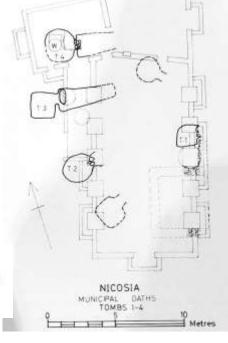




# **Stops 1 and 2 - The Bronze and Iron Ages**

Stop no.	Modern location	Hidden location
1	Bairaktar Mosque area	Bronze Age settlement
2	Old Municipality building	Iron Age necropolis







(top) Photograph by Carsten 2023; (bottom) Michaelides and Pilides 2012: figure 32; (left) Flourentzos



-Pedeios river

Bronze Age settlement



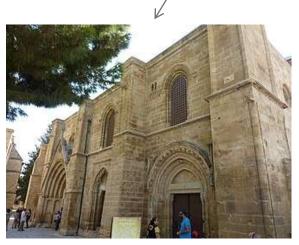
## **Stops 3 and 4 and 5 - The Early Christian and Byzantine periods**

Stop no.	Modern location	Hidden location
3	Castegliotissa hall	Byzantine castle
4	Paphos gate	Dog burial site
5	Bedestan	Orthodox cathedral





(left) Photograph by Tommy Christanto, 2023; (right) Illustration by Natalie M. Branca









(left) Chris06, CC BY-SA 4.0

<a href="https://creativecommons.org/licenses/by-sa/4.0">https://creativecommons.org/licenses/by-sa/4.0</a>, via Wikimedia Commons; (right) Michaelides and Pilides 2012: figure 97

(left) Photograph by Jens Bauer, 2023; (right) Sketch by Robert Knight, 1955-1957 © Costas & Rita Severis Foundation

# **Stop 6 - The Lusignan period**

Stop no.	Modern location	Hidden location
6	Sarayönü Square	Lusignan palace







(left) A.Savin, FAL, via Wikimedia Commons; (middle) sketch by Tessa Henderson, 1985-1988 © Costas & Rita Severis Foundation (right) Photograph of painting by Titian © Costas & Rita Severis Foundation

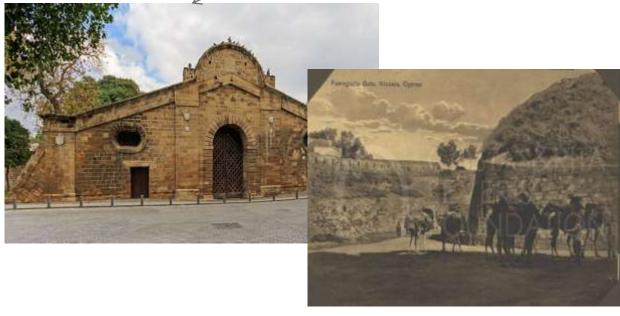


## **Stop 7 and 8 - The British Colonial period**

Stop no.	Modern location	Hidden location
7	Pouvuk khan araa	Momon's bozos
1	beuyuk kilali alea	Women's bazaar



(top) Fry72, Karel Frydrýšek, CC BY-SA 4.0 <a href="https://creativecommons.org/licenses/by-sa/4.0">https://creativecommons.org/licenses/by-sa/4.0</a>, via Wikimedia Commons; (bottom) Painting by Telemachos Kanthos, 1910-1993 © A.G Leventis Gallery





(left) A.Savin, FAL, via Wikimedia Commons; (middle) postcard by J.P. Foscolo, 1918 © Costas & Rita Severis Foundation; (right) Drawing by Gladys Emma Peto, 1926 © Costas & Rita Severis Foundation



# **Stop 9 - The 1974 Turkish invasion to the present**

Stop no.	Modern location	Hidden location
9	Ermou street	Pedieos riverbed/ Green line

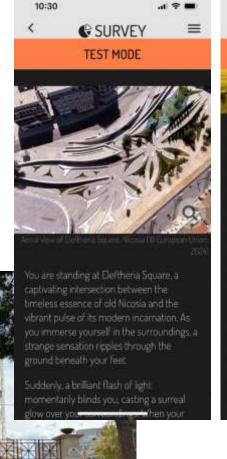




(left) Onasagorou street151, via Wikimedia Commons; (right) Photograph by unknown author c. 20th century © Costas & Rita Severis Foundation



## **The Prototype**

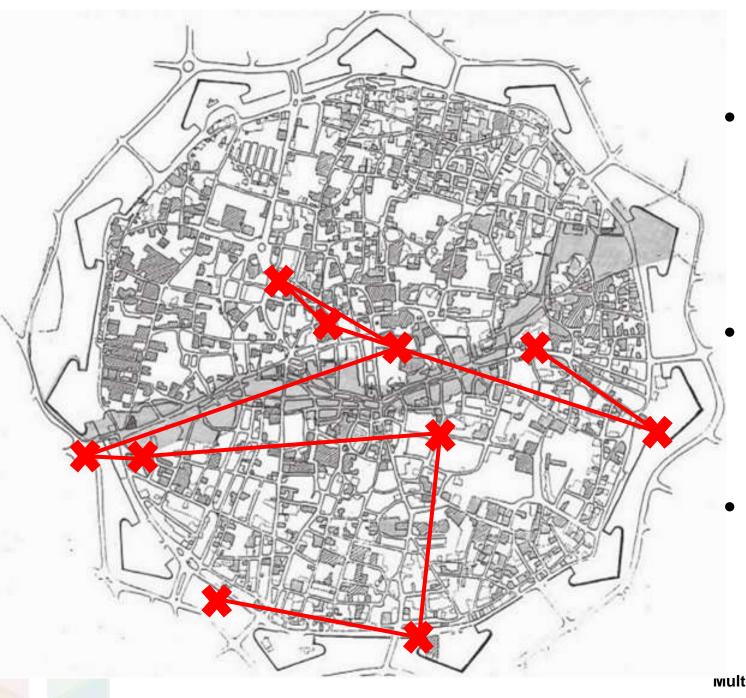












 Each location has additional stories that could be told, related to the other time periods featured in the bound.

 These locations explore numerous themes including cultural, religious and political.

 Opportunity for further exapansion following these ideas.

### **Future directions**

- Fill in the chronological gaps in the storyline.
- Collaboration with CVAR to transform the ActionBound prototype into something that can be used by visitors of the museum
- Conduct tests with larger groups of different age categories to further develop the story and make it more accessible.





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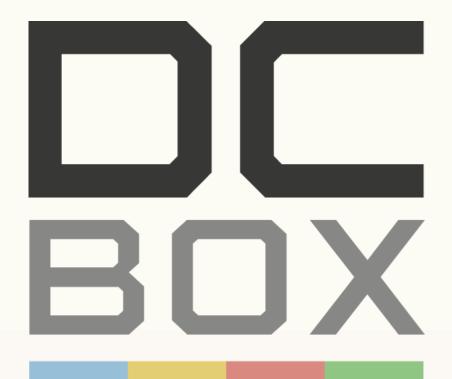
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DIGITAL CURATOR TRAINING TOOL BOX







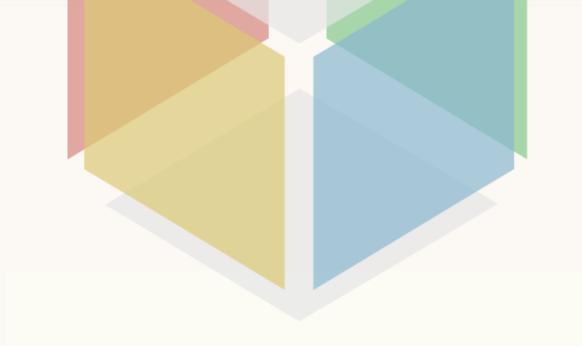














Living LAB on Mobile Geolocated App



Behind the lattice-wood veil: Moving through Ottoman Nicosia from a woman's point of view

Nicolette V. Levy

Cyprus Institute



### **Inspiration and Context**

### Data Collection:

Using the Actionbound platform, users navigate the historic centre of Nicosia and discover Ottoman-era landmarks, following a narrative route designed to bring awareness to the role of gender in the division of space and architecture. As the user traverses the city, they learn more about the unique experiences of women, whose access to these spaces was dictated by gender and class. Monuments on both sides of the UN Green Line are included in the route, and each stop is enriched by archival material including photographs, architectural plans, drawings, paintings, traveller accounts and contemporary literature. A focal point is the historic house museum of Hadjigeorgiakis Kornesios, where the user is guided from an exterior to interior view to experience life behind the veil of a lattice-wood balcony.

Design/Requirements of prototype:

Use the Actionbound platform to:

- Present a guiding narrative that prompts the user to travel along the route
- Highlight specific locations along pre-determined route supplemented with additional information and archival materials



### **Inspiration and Context**

Main objective: return women to narratives of Nicosia's past through a key architectural element that facilitated female participation in public life while still upholding patriarchal standards of modesty

- Consider how architecture creates/reinforces/reflects patriarchy
- Prioritize women's lived experiences and emphasize their importance in the historical record
- Experience known Ottoman monuments with a new perspective
- Understand the instersectional limitations of gender and class

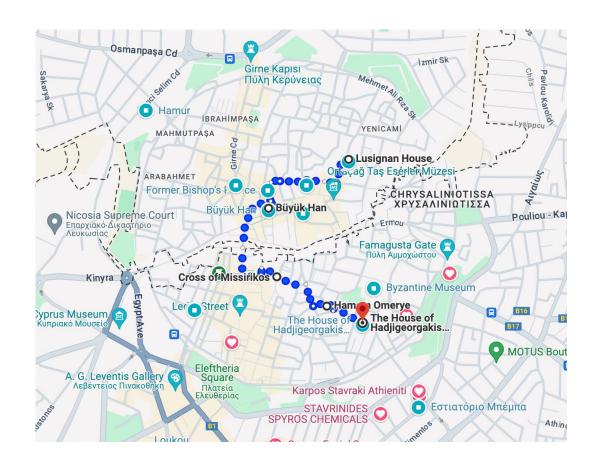


### **Research Phase**

- Initial site visits
- Assessment of primary and secondary written sources
- Collection of relevant images (artworks, etc.)
- Development and curation of narrative experience through the character 'Anthoulla'



### **Locations**



- Lusignan House
- Buyuk Han
- Arablar Mosque
- Omerye Hammam
- Kornesios House Museum



# **Story Development**

- Follow Anthoulla Georgiou, the daughter of a fruit seller in Ottoman Nicosia
- It's a bustling Tuesday morning in June, 1799, and Anthoulla has been asked to help her father make personal deliveries of their fruits to local clients
- Anthoulla will visit different buildings across
   Ottoman Nicosia and experience them for herself
- The user can play as an observer or as Anthoulla





# **Location: Lusignan House**

Introduce user to the Ottoman balcony as an architectural feature with this striking visual example, and meet your guide, Anthoulla





### **Additional Information: What is an Ottoman Balcony?**

- Architectural feature commonly found in Ottoman-era buildings, particularly in regions that were once part of the Ottoman Empire
- Typically protrudes from the facade of a building and is enclosed by a wooden or stone railing
- Often decorated with intricate carvings or ornamental details, reflecting the artistic and architectural style of the Ottoman period
- Most prolific period of construction occurring during the height of the Ottoman Empire's power and influence, particularly from the 15th to the 19th centuries
- Played a crucial role in maintaining privacy and modesty, particularly for women
- Offered solutions to climatic challenges: facilitated airflow, helping to cool the interior spaces
  of buildings and enhance comfort during hot summer days



## Location: Büyük Han

Enter the bustling marketplace to meet with Anthoulla's father and receive instructions for fruit deliveries







#### **Additional Info: Büyük Han**

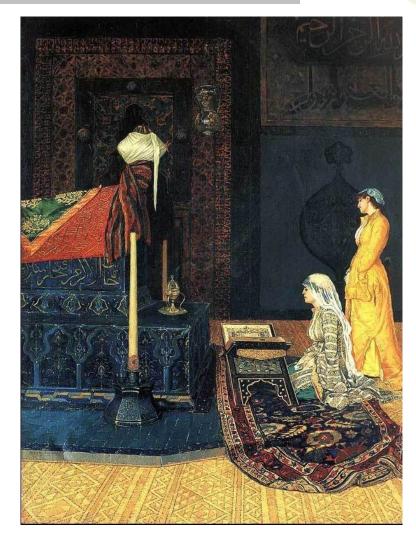
- Built during the Ottoman period in Cyprus, specifically in 1572, by the first Ottoman governor of Cyprus,
   Muzaffer Pasha
- Originally designed as a caravanserai, the Büyük Han served as a roadside inn for travelers and merchants along the trade routes
- The courtyard, with its elegant colonnades and arches, served as a communal area where travelers could socialize, exchange goods, and pray. The rooms surrounding the courtyard were used as lodgings for guests, as well as storage spaces for their merchandise
- The Büyük Han also played a significant role in the social and cultural life of Ottoman Cyprus, serving as a meeting place and fostering cultural exchange and trade relationships



#### Location: Arablar Mosque/Church of Cross of Missirikos

Anthoulla makes her first delivery to a small mosque, where she experiences the space from the exterior. She notices the minaret, which was added when the space was converted from a church to a mosque following the Ottoman conquest of the island in 1571







## Additional info: Women in Mosques + Arablar Mosque/ Church of Cross of Missirikos

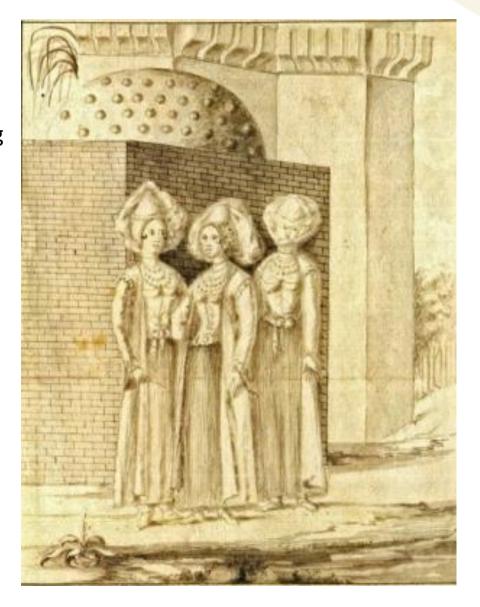
- While women were generally encouraged to pray and participate in religious activities, their access to mosques was often limited compared to men
- Women would pray in a designated area that was often behind a barrier or in a separate room, ensuring their privacy and modesty
- This small church is an excellent example of the style of art and the mixture of architectural elements which seems to have prevailed in Cyprus during the Venetian Occupation
- In converting the church into a mosque the west and south doors were closed up and a singularly small minaret was built at the north-east corner



### **Location: Omerye Hammam**

Anthoulla's next delivery is at the Omerye Hammam, or bathhouse. It's women's day at the Hammam, so Anthoulla can wait inside and enjoy the echoes of running water, gentle splashing, and murmured conversations between the wealthy women who are there to bathe and socialize







#### **Additional Info: Omerye Hammam**

- Hammams were an integral part of Ottoman culture and were designed for both men and women to cleanse themselves, socialize, and relax
- Women would typically visit the hammam during specific hours reserved for them or in segregated areas within the bathhouse
- The Ömeriye Hammam dates back to the 16<sup>th</sup> century, when it was erected next to the converted mosque next door



#### **Location: Kornesios Mansion**



Anthoulla has arrived at her last stop: the mansion of th4e Dragoman. After entering and delivering her fruits to the kitchen, she brings a plate of figs up the the Dragoman's wife, Lady Maroudia, and admires the balcony from within





#### **Additional Info: The Dragoman of Cyprus**

- Hadjigeorgakis Kornesios served as dragoman, a Christian from the local community appointed by the Ottomans, around 1796
- Hadgigeorgakis built his mansion in the upper class Ayios Antonios area in Nicosia, close to the Archbishop's residence. The house was built in 1793 with local bloc-cut sandstone and is a two-story building
- The architectural plan of the building in the form of a Greek "Π" surrounds a central garden with a fountain and a private bathhouse (Hammam) which has three rooms. On the ground floor, the servants' quarters and the kitchen were situated.
- Roofed wooden stairs with a stone base lead to the entrance hall on the first floor from the courtyard. The official reception room and the living areas communicated with this reception hall.
- The official reception room (the onda), at the end of the east wing, differs from the other rooms with its exceptional carved wooden, gilded, and painted decoration, which liken it to other official reception rooms in many mansions of the Ottoman Empire.



#### **Prototype: Actionbound**



This is where we will meet our friend and guide Anthoulla



Anthoulla Georgiou is a young Orthodox Christian woman living in Ottoman Cyprus. She might have worn an outfit like the one above for her daily tasks and outings. As a working-class woman, she wouldn't have worn delicate embroidery or luxurious silks; instead, she would have worn something practical that conformed to societal standards of female modesty.



#### More about the Arablar Mosque:

The plan of the building is of a domical Byzantine type of a nave with two shallow aisles and a semicircular apse. Architectural decorations are however of the XVIth century style, and the whole forms a curious mixture of different characteristics. The windows and doors have the usual mouldings of the period and the gables are ornamented in a curious manner with small inverted trusses to represent crockets. Regular Gothic buttresses support the walls on every side.

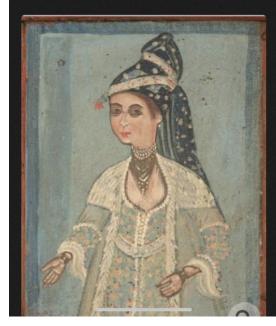


In converting the church into a mosque the west and south doors have been closed up and a porch built at the north-east side. A singularly small minaret was also built at the north-east corner. The building was repaired a few years back, when the gypsum plastering usual in a mosque was renewed;

This small church or chapel is an excellent example of the style of art and the mixture of architectural

The lady of the house sits inside the balcony seen from the street, and invites Anthoulla to sit with her and watch the hustle and bustle of the street below while she samples some figs. Anthoulla peers out from the decorated wooden screen to watch the organized chaos of daily life in Nicosia unfolding below her. Up here, Anthoulla can see everything: finely dressed men walking the town, merchants hawking their wares, donkeys pulling carts laden with goods, and more.

Anthoulla turns to admire the lady of the house, Lady Maroudia Kornesios.





#### **Added Value**

- Increase awareness of Ottoman architectural features
- Restore women's perspectives in the historical narrative of the Old City of Nicosia
- Shed new light on under-valued era of Nicosia's history
- Encourage user to think about worldviews beyond their own, and even consider the gendered division of space in other architectural settings



#### **Future Directions**

- Enhance soundscapes
- Partner with local stakeholders for integration into new and existing educational materials
- Add additional Ottoman balcony sites from across the historic Old City



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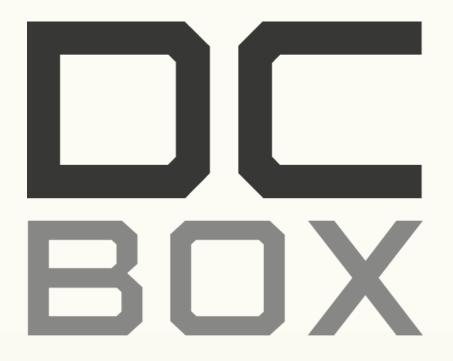
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DIGITAL CURATOR TRAINING TOOL BOX







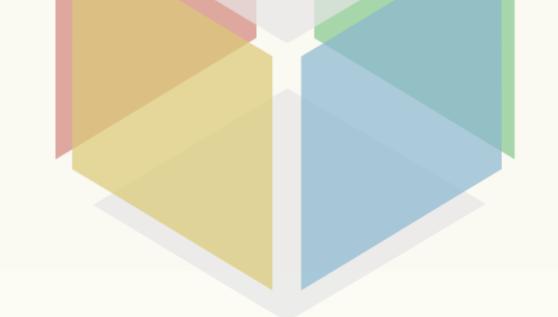
















## **Escape to Machairas**

Theo Shaheen-McConnell & Soodabeh Sajadi

The Cyprus Institute

#### **Inspiration and Application Conceptualization**

#### Four main points:

- Exploration of trails in Troodos led to discovery that many cultural heritage sites are not recognized
- Fascination with continued contemporary movement along routes and trails established throughout history
- Engaging discussions with DCBox instructors and fellow participants
- COVID-19 Pandemic
  - Burst in outdoor activities
  - Temporal resonance of vaccines as a common savior





### **Research phase**

- > Historical and archaeological sources were utilized for the research
  - Publications:
    - Sources for the History of Cyprus edited by Paul W Wallace and Andreas G. Orphanides
    - Barskey's Cyprus Revisited by Ian Meadows and Lonia Efthyvoulou
  - Online resources
  - Ethnographic accounts
  - Fieldwork throughout the sites





#### **Locations**

- Phaneromeni Church
- Agios Herakleidos
- Agios Mnason
- Agios Panteleimon
- Virgin Mary of Arakas
- Machairas





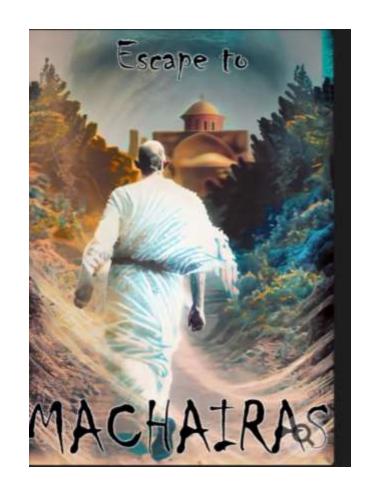
### **Story development**

The mountains call out for you - Your journey starts now!

It is the period between September 1734 and August 1736, you are Barsky, the Ukrainian explorer-monk, find yourself fleeing a pandemic spreading through Nicosia.

Seeking refuge, you undertake a journey from the crowded urban environment to the forested settings of six monasteries located on the Troodos Mountain range. There are whisperings of a vaccine which may combat the ravages of the plague and commit to a quest to uncover the truth.

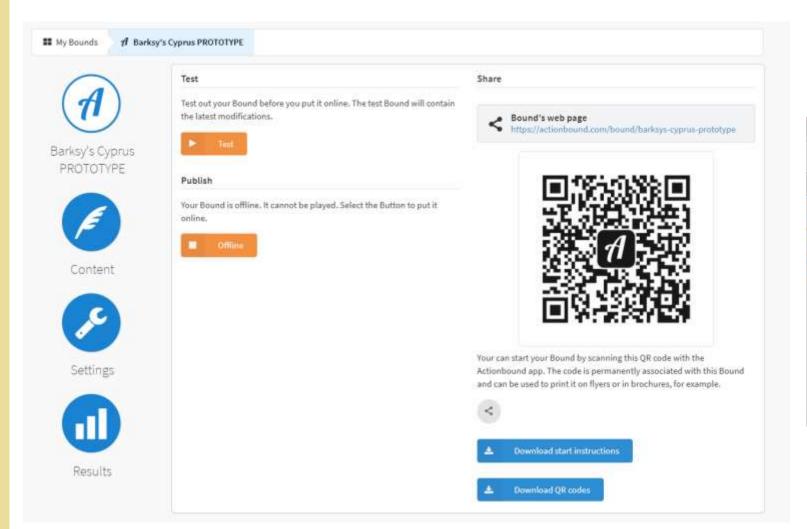
You move from monastery to monastery, gathering supplies and essential components to create the rumored vaccine. With time running short and the pandemic approaching, you must swiftly gather the vaccine's ingredients and travel to each monastery before you are overtaken by the outbreak!

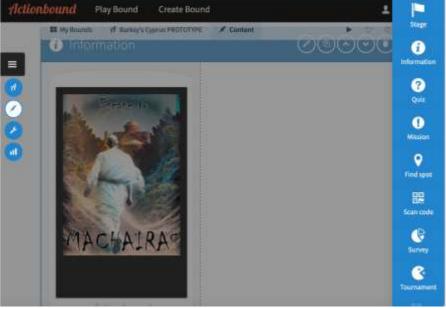


Al generated image



#### **The Platform: Actionbound**



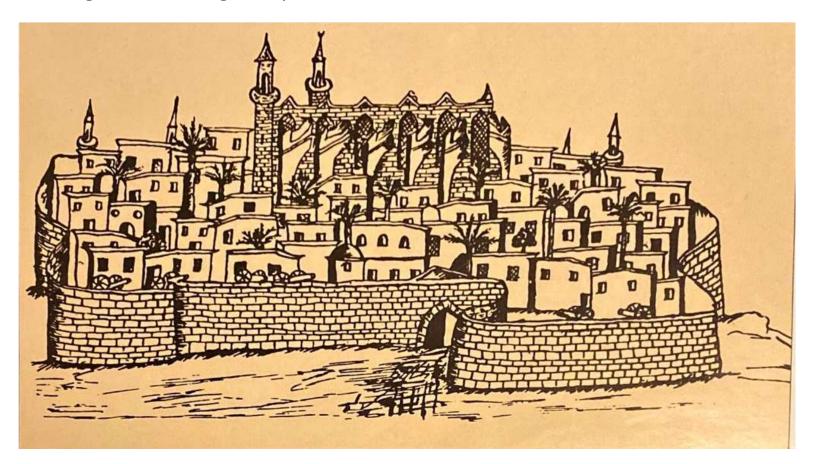




## Start Location Walled City

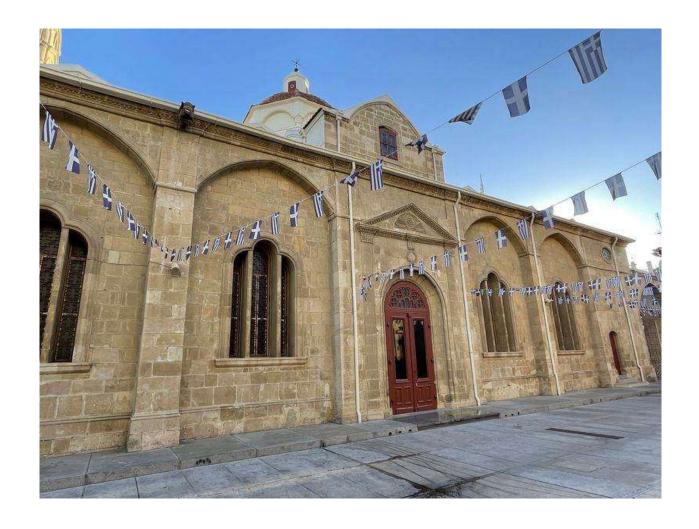
Just after Easter 1735, suddenly, out of a clear blue sky, disaster struck entire island.

Barsky, who back then was teaching Latin in Nicosia, hang on for a while but as things went from bad to worse, considered leaving the island immediately. However, not only was there plague in the main port but violence was also rampant. That was how he left Nicosia, "dressed in an old garment", to spend the next five months wandering around the island "waiting for God's anger to pass".





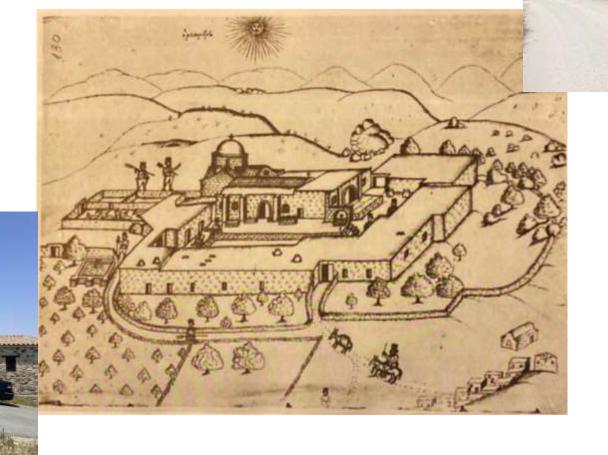
## First Stop Phaneromeni Church





## Second Stop Agios Herakleidios Monastery

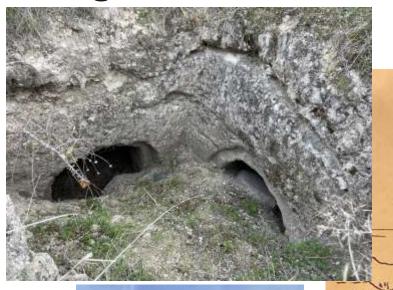
The church is a spacious and wonderful building, with two stone barrel vaults and a lovely dome.

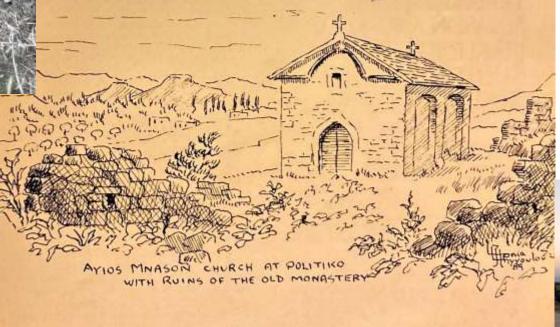


The monastery has three gates: to the east, north and south.



# Third Stop Agios Mnason Monastery





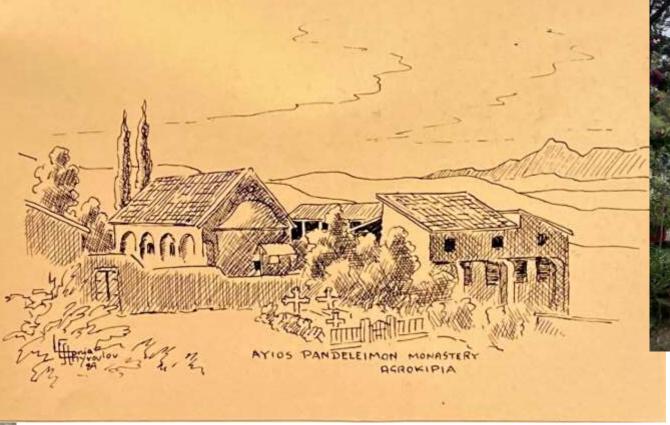




# Fourth Stop Agios Panteleimon Monastery

You are highly recommended to take a break here in this pleasant area and enjoy visiting the monastic cells surrounded by beautiful plants and fruit trees. You'll need the rest, as reaching the next spot will be quite challenging!





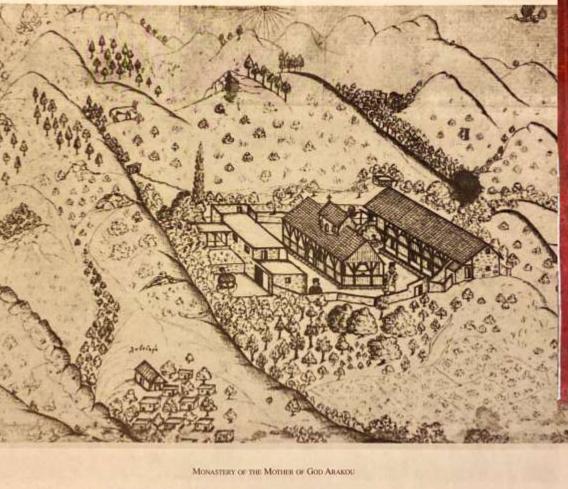


Good luck with next level!

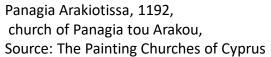


## Fifth Stop Virgin Mary of Arakas











## **Last Stop Machairas**

Barsky is eager to visit the monastery of Macheras, his last and desired destination where he can make the vaccine utilising all the essential components he provided from the previous monasteries.

Why Machairas?

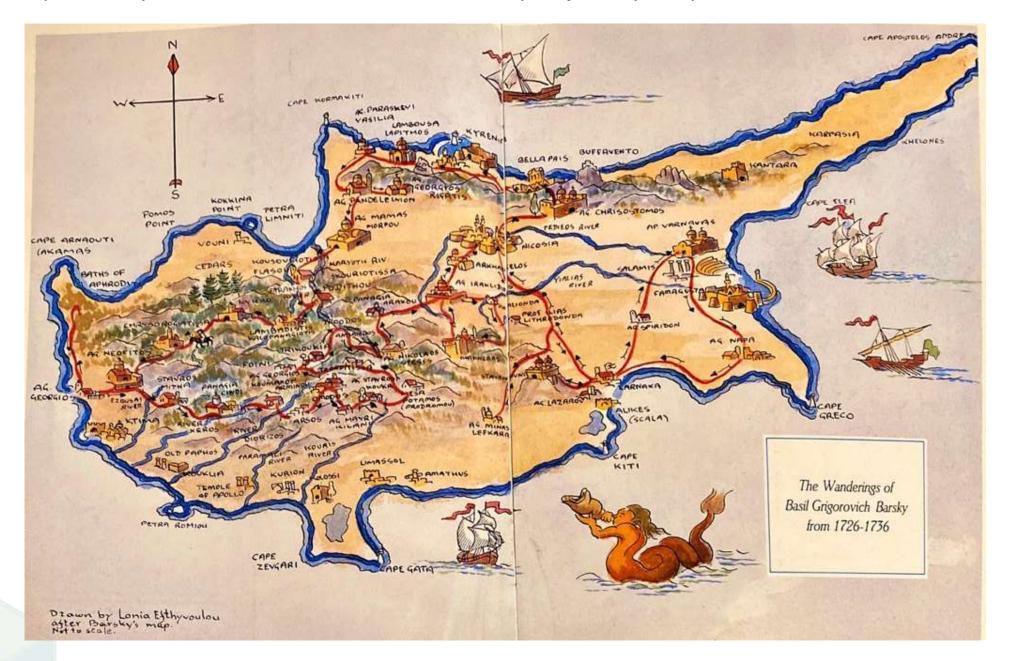
Is it the biggest one?
Is it the most holy one?
Is it associated with cures for some disease?

Macheras is associated with cures for plague, bites (especially viper bite), epilepsy, and tuberculosis.





#### Here is a map of Barsky's routes across the island - how does your journey compare with his?



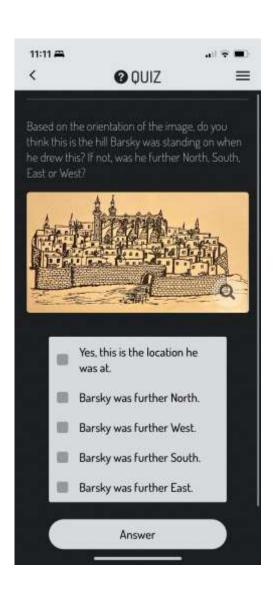




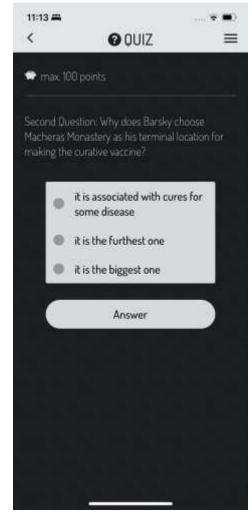


### **The Prototype**











### **Values**

What is the value of using digital tools and gamification in cultural Heritage?

engaging people with rural & landscape history

- creating a sense of community with the past
- encouraging players to move around by walking, hiking, or driving to find answers, explore Cyprus



#### **Future Directions**

- Apply for funding to continue research
  - O Add additional stops from Barsky's travels
  - O Expand on storyline
- Incorporate other ways of interacting with heritage
  - O Extended Reality integrations with Actionbound application
  - O Virtual tour of Barsky's travels for remote visits
- Work with stakeholders to identify improvements
  - O Hiking groups
  - O Biking groups
  - O Tourism groups
  - o Religious visitors
- Prioritize education
  - o Test tours with Primary/Secondary School Students
    - Assess interest in and direction for further heritage studies aimed at youth



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