

Online Museum

website about art for people



Meet our team



the best ideas can be realized with an inspired team



CO-FOUNDER
Narek Tavakalyan



CO-FOUNDER
Satenik Gabrielyan



CO-FOUNDER
Raf Hovhannisyan

About our product

Why we have done

After researching the market, we found that there is no website where we can find all the artists and their artwork in one place. Therefore, we decided to make the first one, and also add an art marketplace not only for famous living artists, but also for emerging artists.

What we have done

At this time, we have completed the first part of our solution: the museum. In two months, we want to add a marketplace.





For whom our product



Our product is for everyone! Any person can use it.

But we have several roles for some purposes: admin, moderator, user, premium user, seller-artist, seller-broker.

Each role has its own permissions and privileges.

Permissions and privileges of roles



Admin

- has all permissions
- has no restrictions

User

- add comments
- manage their own comments

Seller-artist

- add their own artwork with a description and a price
- add comments on their own artwork

Moderator

- add anything except any kind of users
- block an user
- manage comments



Premium User

- User permissions
- has favorites in their page
- has a discount on the purchase of an artwork
- give an advice to admins or moderators for adding any artist or artwork

Seller-broker

- add an artwork with a price and a description of the artists with whom they has a contract
- add comments on their artwork
- view some sales statistics

Used technologies & tools



Backend Framework



- Spring Security
 - JWT token
 - Token refresher
 - Email verification
 - Reset password
- Hibernate
- Java Multipart
- Lombok
- ModelMapper
- Pagination

Build Automation Tool



REST API Testing

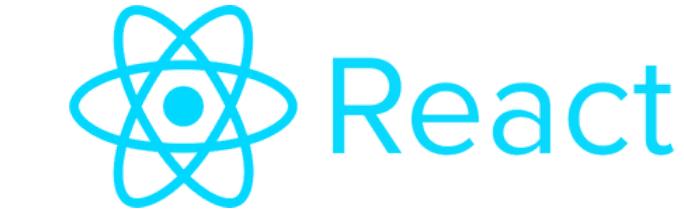


POSTMAN

Version Control System



Frontend Framework



RDBMS



Explanations why we chose...



Email verification

We decided to add this because email is a common way to communicate with our users. Thus, by verifying their email address, we know that it is a valid email address and we can contact the user or send them notifications and news. For the last two things, we will be asking their permission.



Saving only files' paths in DB

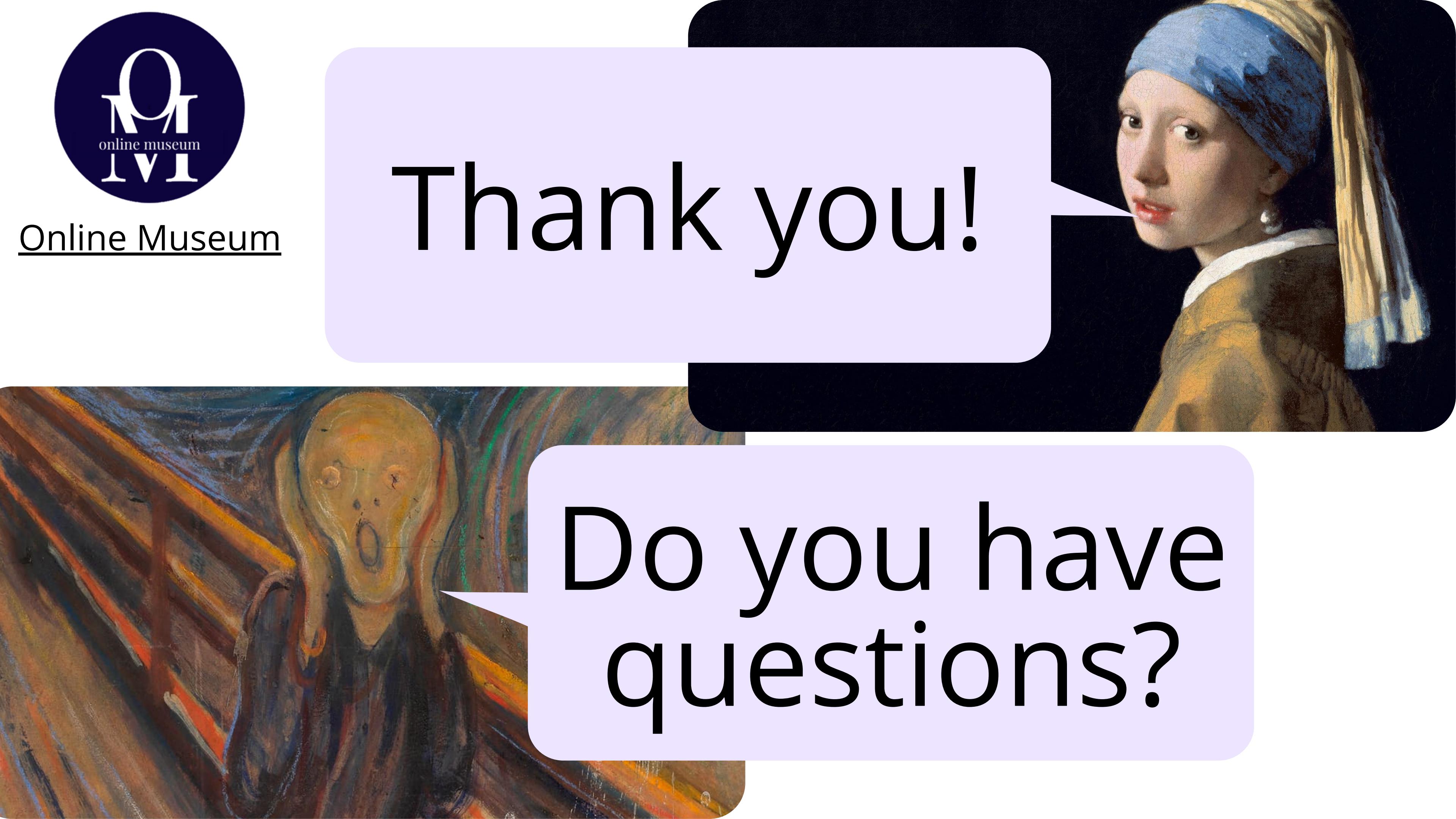
When we started designing our site, we realized that we would have to work with a very large number of files and their total size at the beginning would be several tens of gigabytes, and over time this size would grow and become at least several hundred GBs. Therefore, we were faced with the question of how to save these files and where. After studying the issue on the Internet, asking familiar experienced colleagues, we found out that the best practice on this issue is as follows: files should be stored in a file server (AWS S3, Apache File Server, etc), and only the path to these files should be stored in the database.

This solves many issues, here are a few obvious ones: when you need to change the database or make a backup of it or split it into several parts it will be much easier without files, when you need to change the file server it will be much easier.

But we also decided to store all the files on our local server just in case, because 1 TB of SSD or HDD is much cheaper than losing years of work.



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Thank you!

Do you have
questions?