

Presentation of Work Distributed Systems

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Our work...

We have created a rental management system. We have the following user roles:



What we implemented...

- Backend Token Auth
- Backend Basic Auth
- Frontend (w/ basic auth)

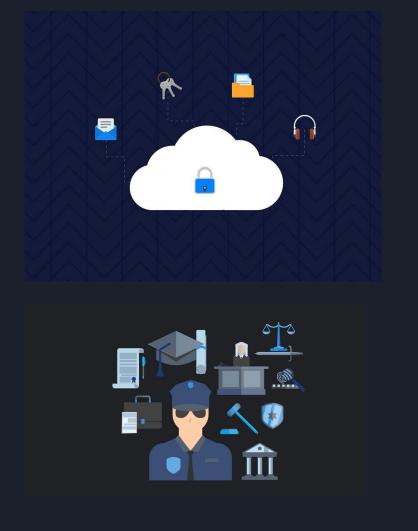
(same NW).

Cloud Deployment



Security

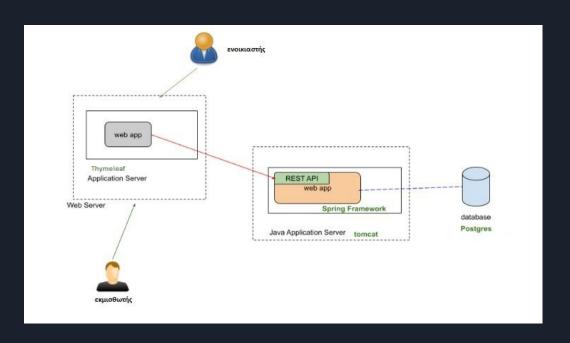
Each user's data is protected and only he can manage them. We separate them functions of each role with its use Spring Boot Security.



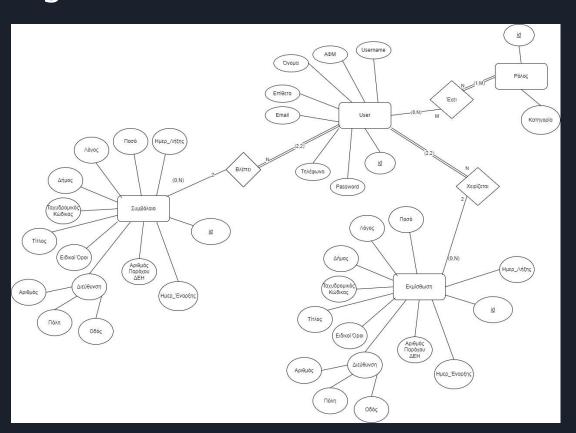
Our main services:

- Login / Sign up
- Createleases
- Processingleases
- Createcontracts
- Search
- Comments
- and more...

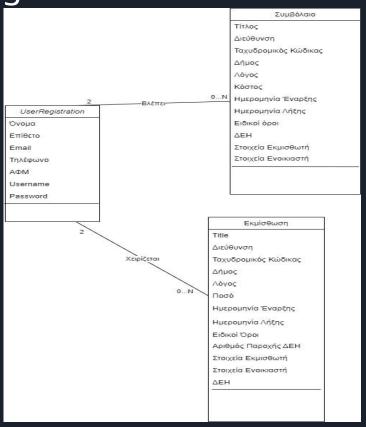
Overall architecture of all parts of the system:



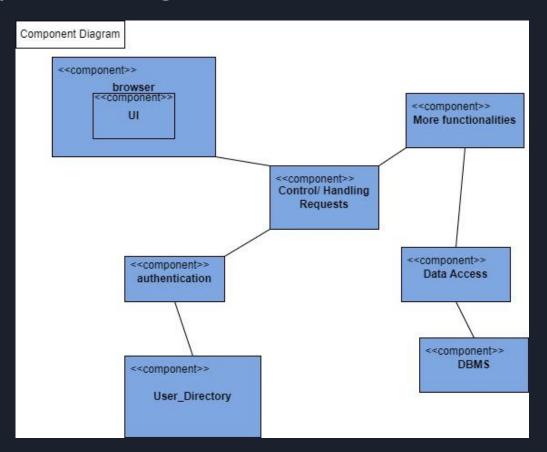
ER Diagram:



Class Diagram:



Component Diagram:



Email Verification

Verification System, for user registration (and avoiding bots...)



PostgreSQL

Her management our base, it is possible through her PostgreSQL.



Cloud Deployment:

Our application is also hosted oncloud with its use Microsoft Azure.





Other Links:

- YouTube: Cloud Showcase
- Cloud URL:
 http://40.66.41.210:8080/
 (deprecated)
- Final Derivative Documents
- Github Repository

Image Source:

Security image

Token Auth image

PostgreSQL image

Email Verification image

Azure image

Cloud Hosting image

Security image

Thanks for him your time!