MILESTONE 4

Final project report and milestone-4 for HAD project

Group 36

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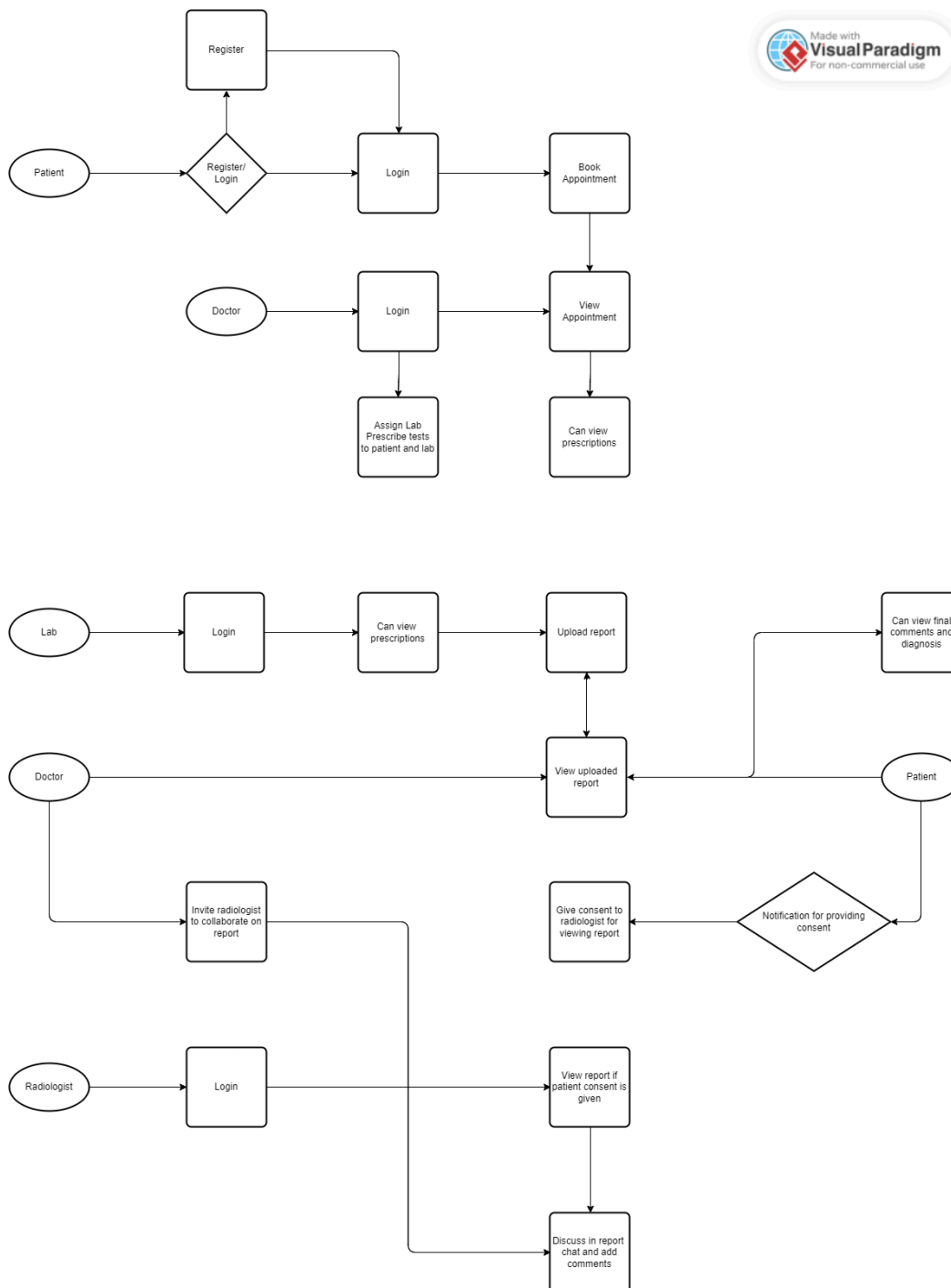Naitiksinh Solanki (IMT2020051)

PROBLEM STATEMENT

To create a collaborative diagnostic platform keeping the field of tele-radiology in mind.

PLANNED SCOPE OF THE PROJECT

- New patients should be able to register on the system.
- Login should differentiate different types of users through their assigned roles.
- Patient should be able to choose a doctor and book their appointment according to their desired date.
- Doctor should have easy access to incoming appointments and should be able to prescribe tests to the patient.
- Doctor should also be able to select and assign labs for the patient, and communicate the tests to lab also.
- Lab should be able to upload report for a given patient, along with some remarks.
- Doctor should be able to invite other radiologists to look at report and should have a medium of communication with the radiologists.
- Patient should be asked for consent while sharing reports to other doctors.
- Images in the reports should be zoomable and pannable. Doctors and radiologists should also be able to annotate over the images.
- Patient should be able to look at images, diagnosis and comments but not the chats.

FUNCTIONALITIES DEMONSTRATED
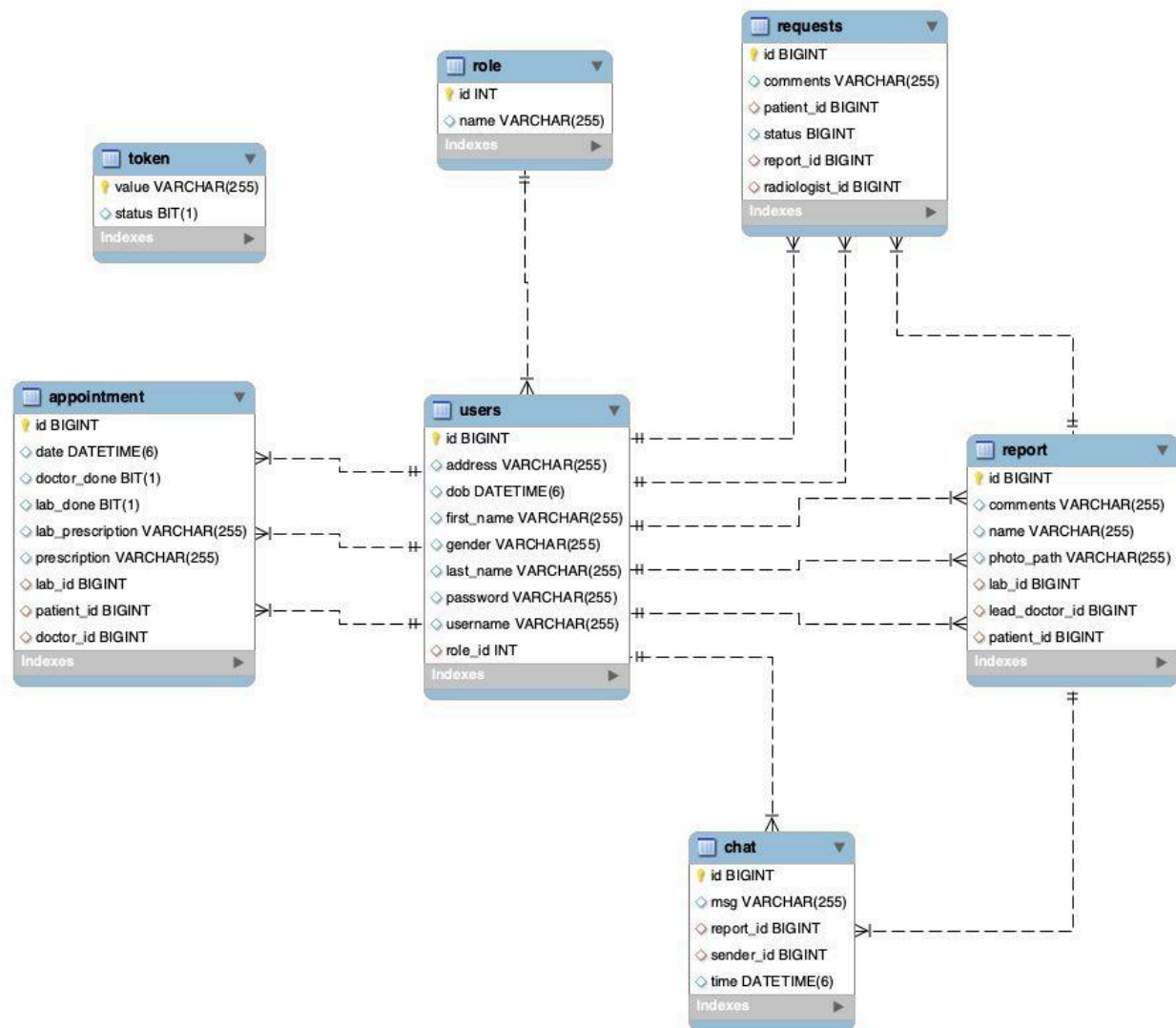
- Workflow diagram for functionalities ->

- Video demo can be found here - 🎬 HAD Milestone 4

DOCUMENTATION

API Documentation for the project - 📄 Hospitalic_API_documentation.pdf

Database schema -

SECURITY AND TECHNICAL SAFEGUARDS

- API Security - 2-layer authorization in APIs. ROLES and USERNAME of the user are used to authorize access to certain APIs
- JWT based authentication for login.
- Encryption of important data while storing in the database

PRIVACY POLICY

Privacy policy as per given format - ⓦ Hospitali_privacy_policy.docx

GITHUB REPOSITORY FOR THE PROJECT

Link to the github can be found here