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Lab task: **07**

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General overview

The hospital management system is system which is being used by many actors at a time

- 1- The **Patient** use system to register itself, to upload documents, to set an appointment, to check test, to check result, to check for recommended medicine.
- 2- At the same time from same system(database) the **Nurse** is checking for appointments, medical history of patients
- 3- **Doctor** is using same database to update timing of availability, suggest test to patient, and suggest medicine
- 4- **Chemist** is using system to check for medicine and finalize the bill to be payable by the patient
- 5- **Laboratory** is using system to check for test and upload result

We can see the system is being used by everyone in different manners some are taking information and uploading result and some are just taking information so it is clear that the center of interest is same for everyone

Suggested Style

So from above discussion it is cleared that we will use the style of architecture which have a only one center or database (like The information container) and every actor / component take, update, insert, and add value to the system

For this the best style is **Repository style**

Constructed an Architecture for HMS.

