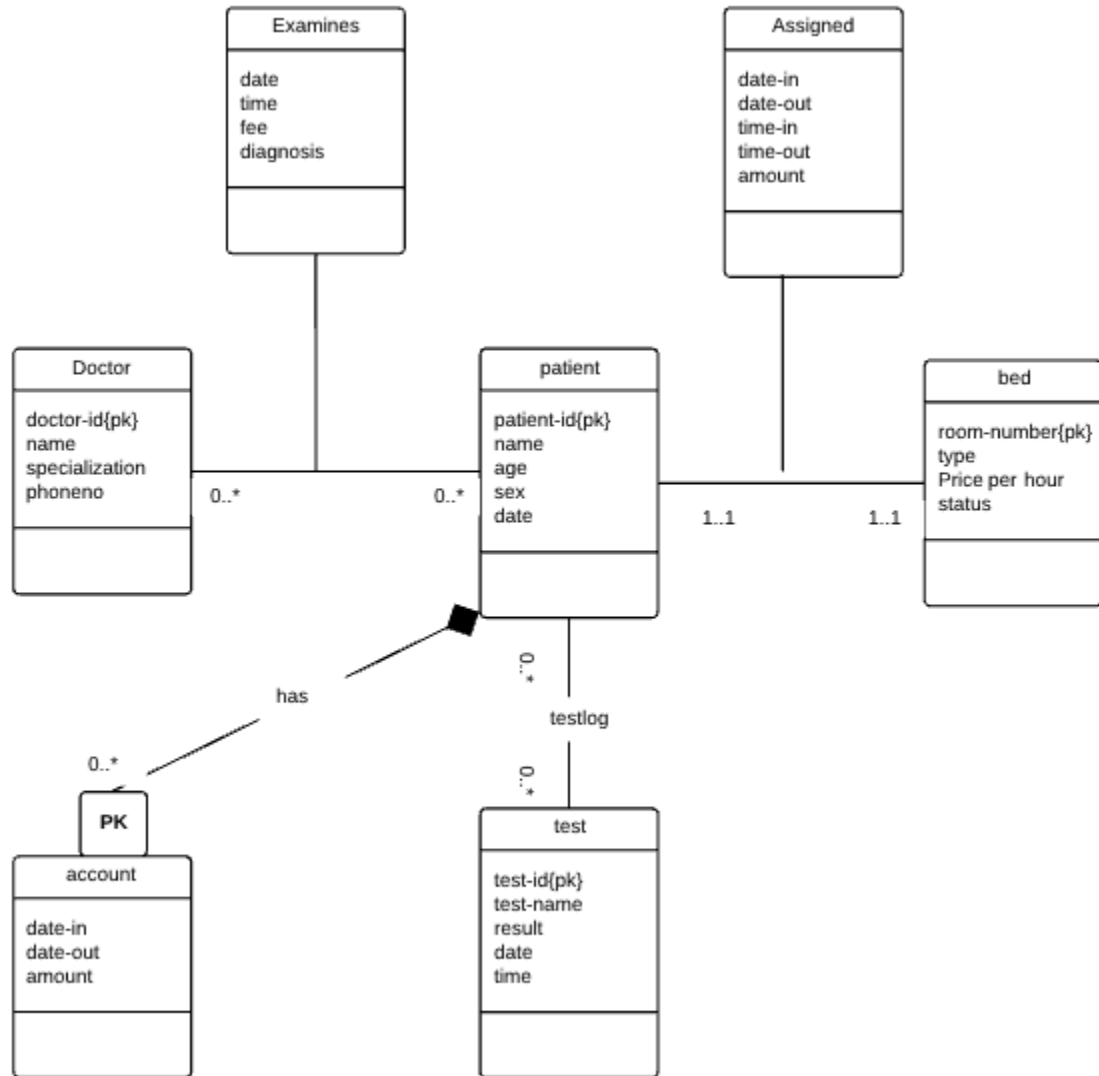


AI601 - Data Engineering for AI Systems

This lab is supposed to be completed individually. Please find below an ER of a hospital management system.



Example Analytical Questions

- **Utilization**: "Which doctor has the highest patient throughput each month?"
- **Length of Stay**: "What is the average length of stay per diagnosis, per month?"
- **Cost Analysis**: "Which treatments drive the highest cost or revenue?"
- **Staff Metrics**: "How many patients were seen by a particular doctor or specialty in a given time period?"

Design a star and snowflake schema for this data model. Use any document editor or drawing

AI601 - Data Engineering for AI Systems

software e.g. Draw.io

Submission:

Submit the PDF file by pushing to git and opening the PR.

Create a new branch for Lab 2:

- a. `git checkout -b lab2`

Stage and commit changes:

- b. `git add hospital_schema.pdf`
- c. `git commit -m "Completed Lab 1 - <student_id>"`
- d. `git push origin lab2`

Go to GitHub → Open a Pull Request (PR) from lab2-<studentid> to the main branch. The PR name should be "Lab 2: Student ID Part 1, 2, 3, 4" where part numbers represent the completed parts.