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Section: BSE-4A

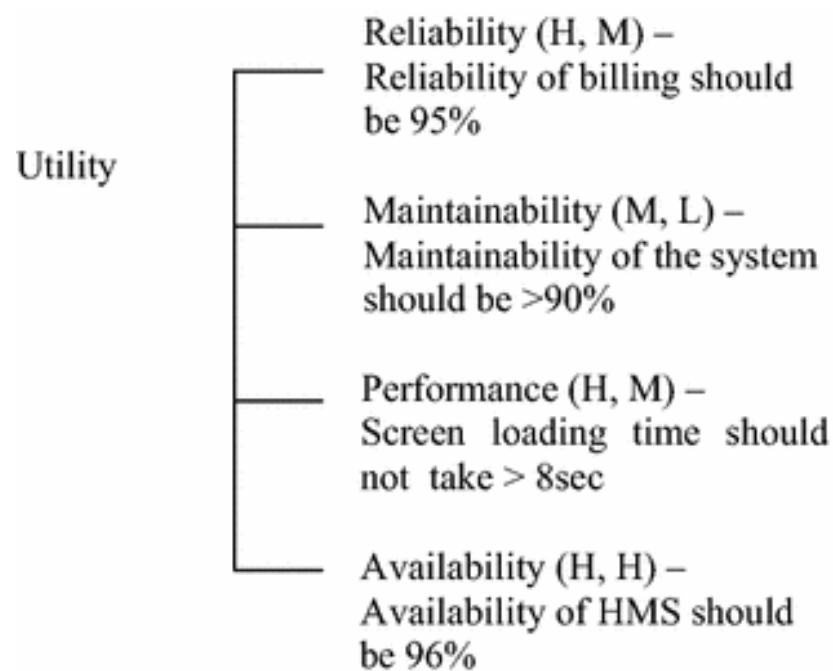
Instructor: Usama Musharraf

Task # 9

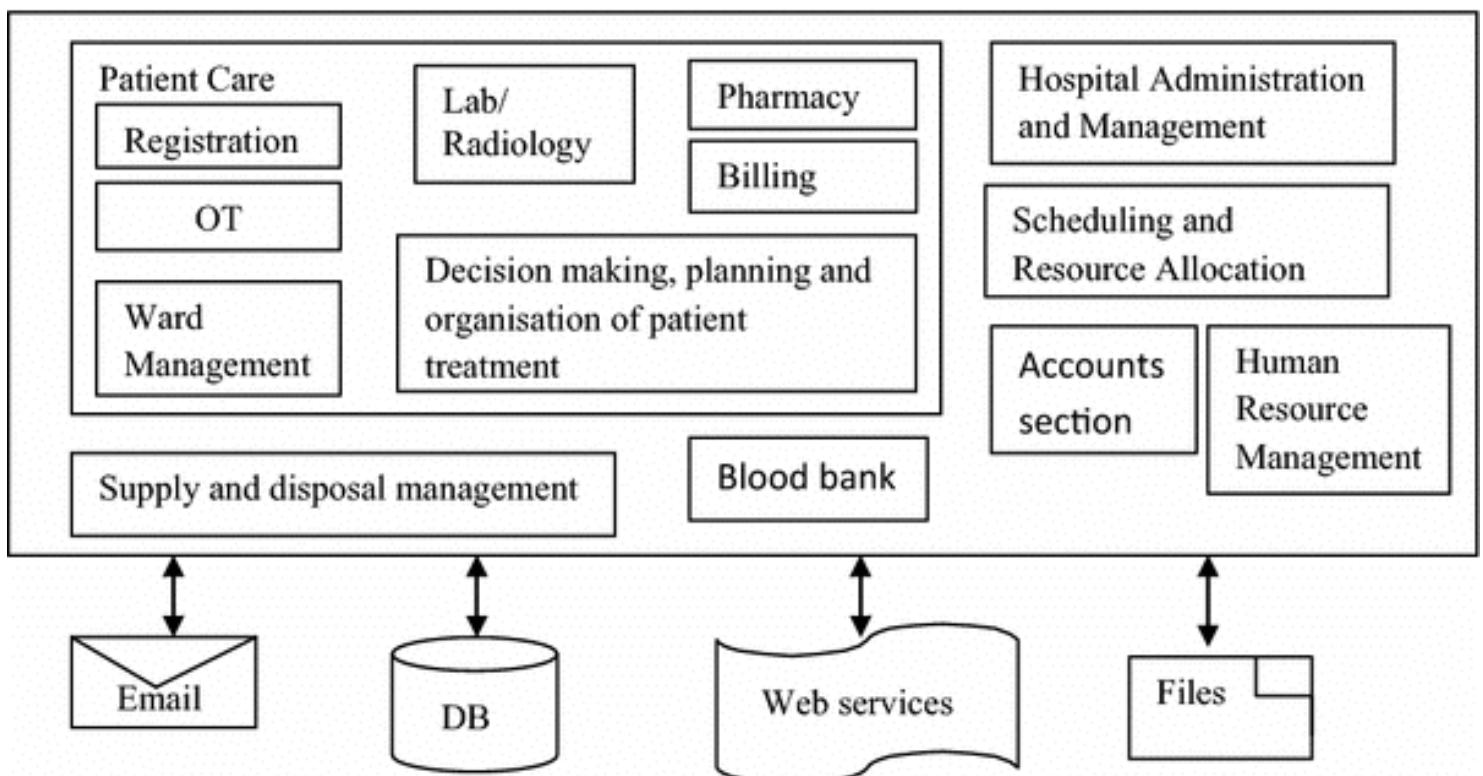
Evaluate your architecture of (HMS) qualitatively with
Architecture Trade off Analysis Method (ATAM).

You are required to identify sensitivity and tradeoff points.

Utility Tree HMS:



HMS Diagram:



ATAM Phases

Collecting scenarios:

1. Registration of patients.
2. Scheduling Patients Appointment.
3. File insurance claim.
4. Treatment.
5. Bed Allotment.
6. Admission/Discharge report.
7. Login of Patients.
8. Prescribe medicines, tests.

Collecting Requirements, Constraints:

Constraint:

1. The system must be delivered by deadline.
2. The system must be user friendly.
3. The system must response timely.

Requirements:

Functional:

1. Registration
2. Assign Id
3. Add Patients
4. Assign Doctor
5. Assign Nurse
6. Add/Delete Patients Data
7. Update Patients/staff/doctor data

Sensitivity:

1. Healthcare specialists' nature.
2. The lack of time allowed training and learning on making use of Hospital Management System (HMS).
3. The lack of healthcare professionals support and motivation.
4. Preparation of accurate and prompt reports.

Trade-off:

1. Wards and outpatients units.
 2. Offices and writing services for clinical report writing.
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