

# **COEN 285 Software Engineering**

## **Architecture Artifacts**

DigiDerm

Skin Disease Online Diagnostic Tool

### **Team 5**

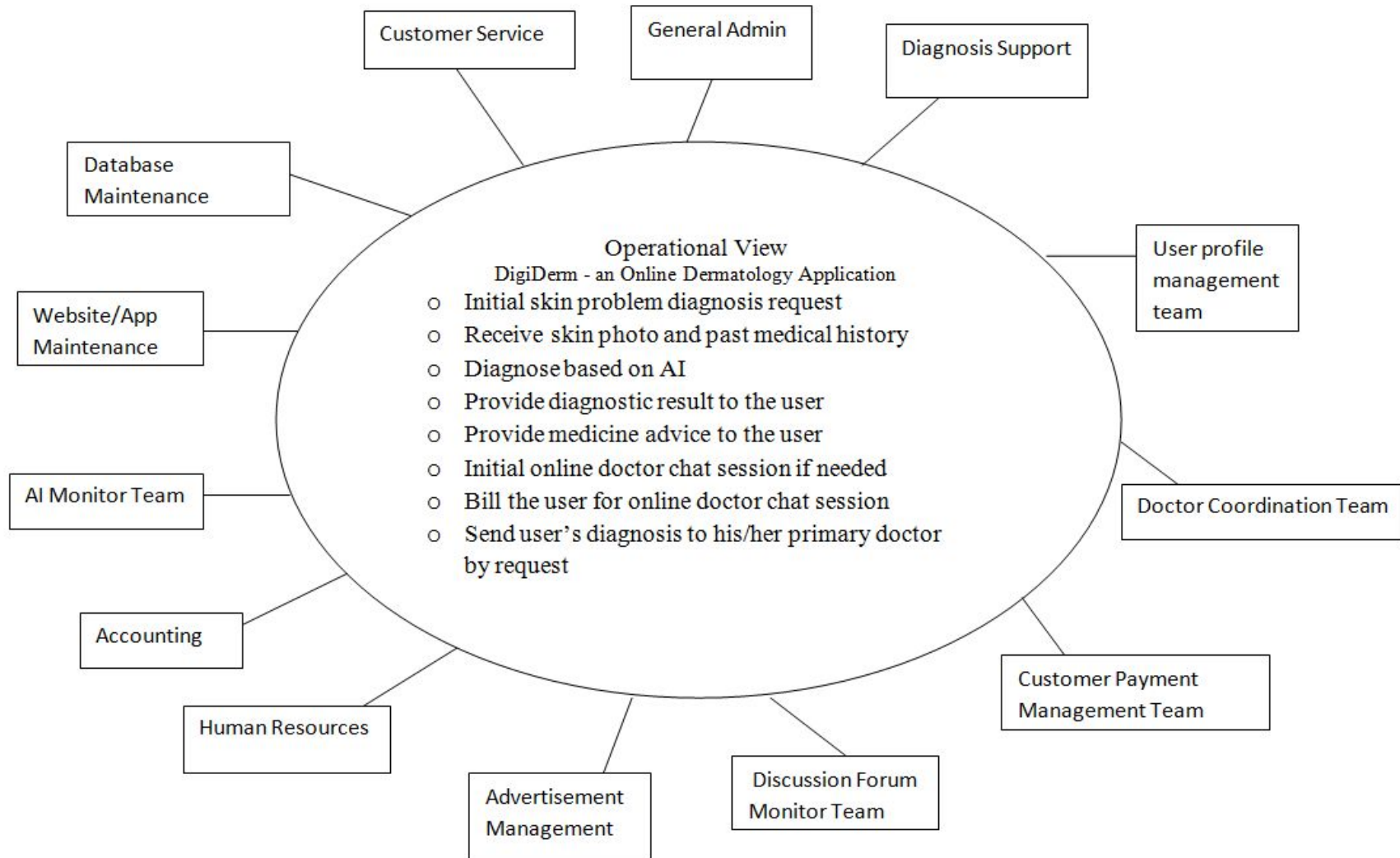
Asha Latha Amara

Guang Shi

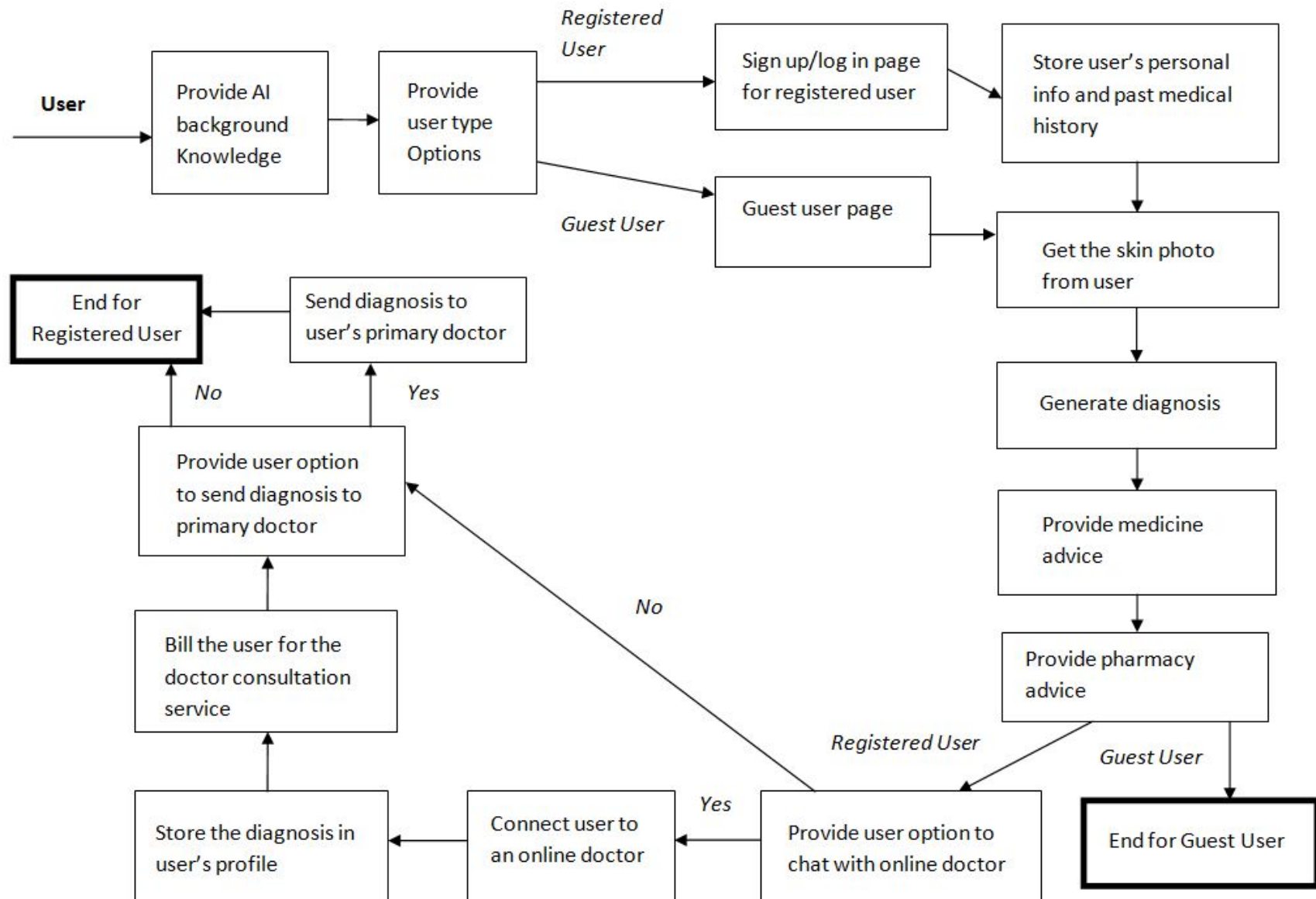
Shuhua Zheng

Vardan Gupta

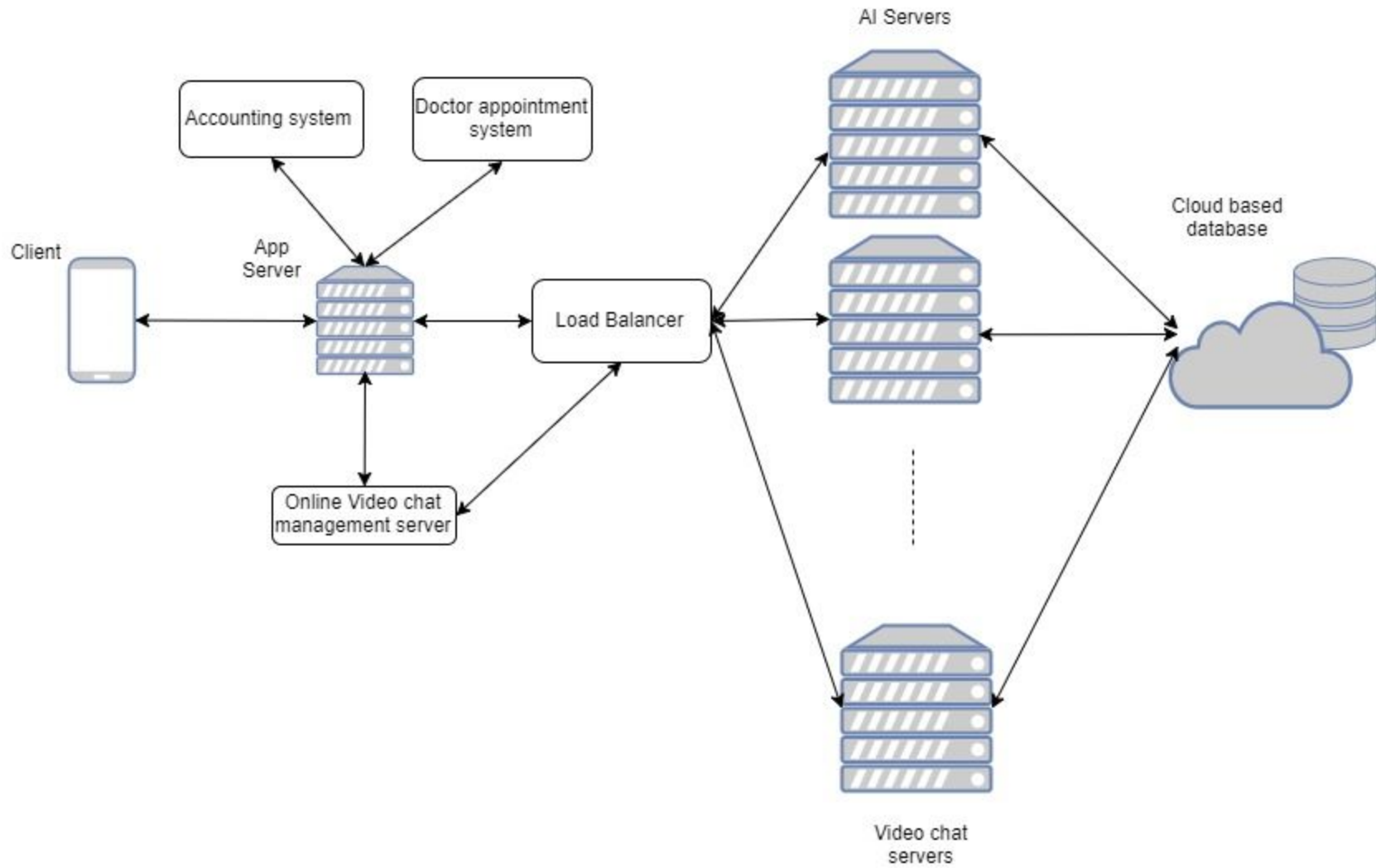
## Operational View



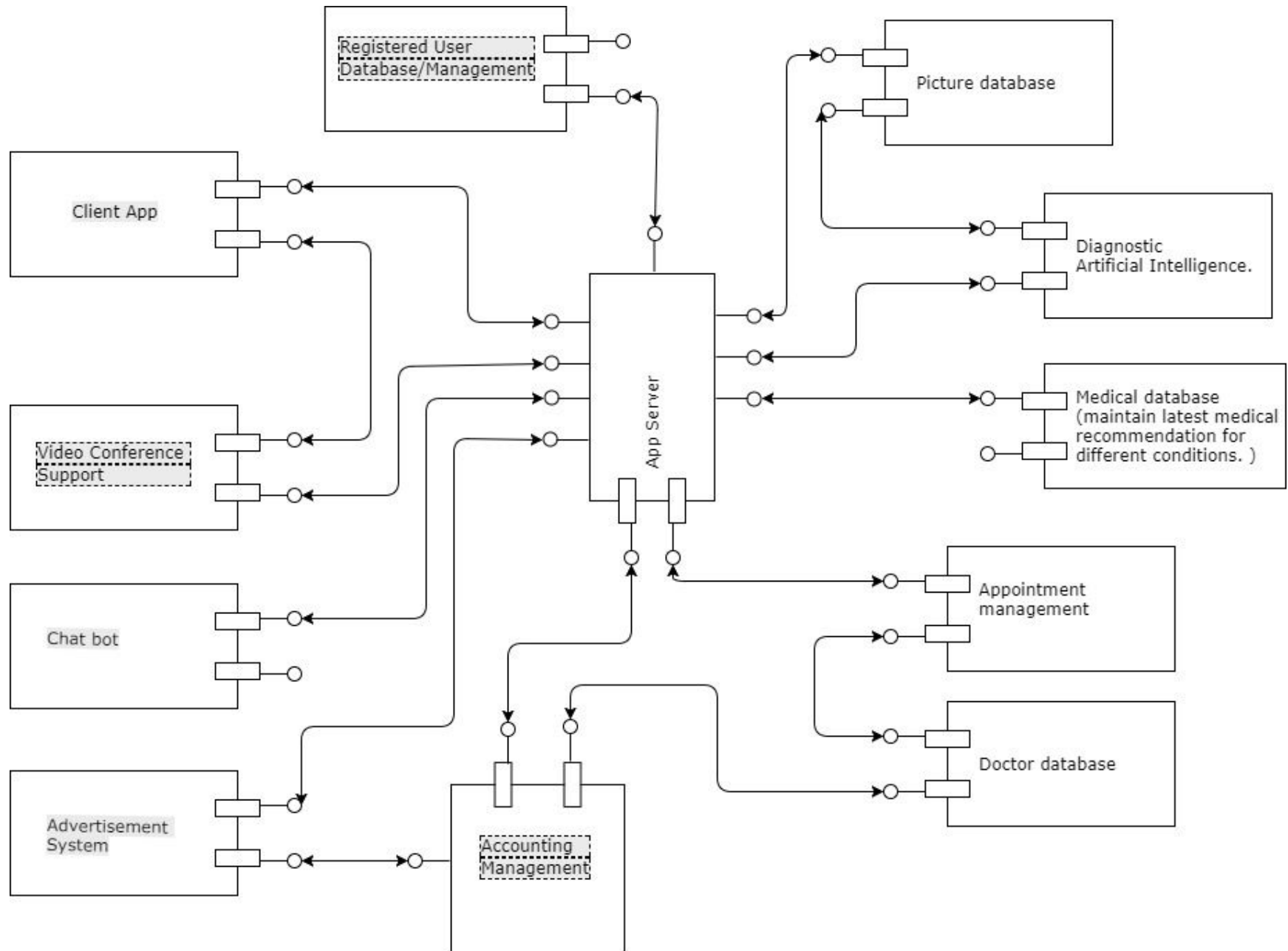
## Functional Block Diagram



## Resource View



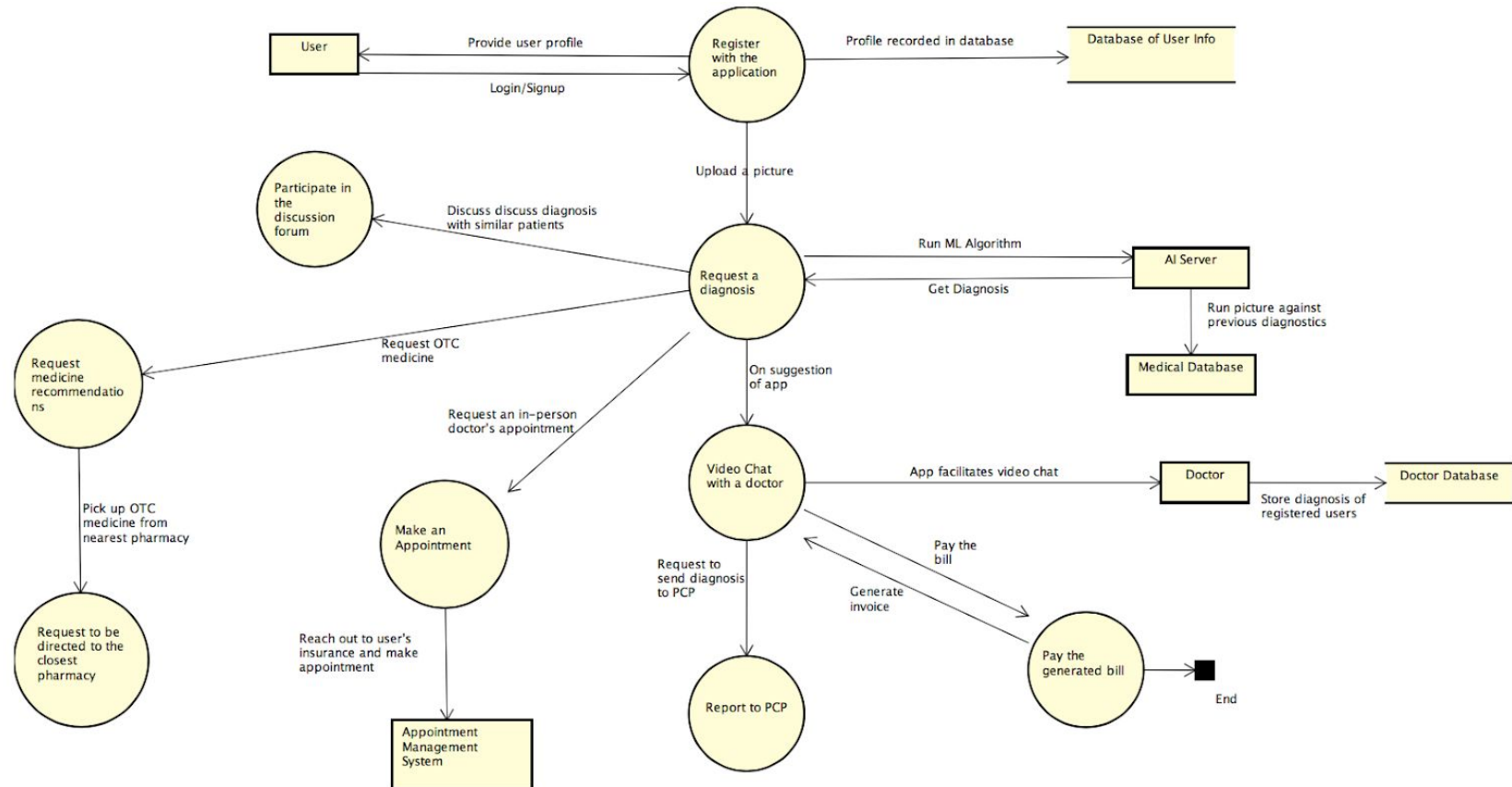
## Configuration System View



## Data Flow Diagram

AI server is more an entity rather than a data center.

- Closed Rectangles represent external entities
- Circles represent processes
- Open rectangles represent data centers.



# Matrix:

		Behavior of the system										
		Account created	Validate account	Provide a diagnosis	Provide medicine Recommendation	Provide Pharmacy Recommendation	Provide List of Doctor Profiles	Doctor accepts and anonymous chat commences	Doctor accepts and video chat commences	Doctor gives diagnosis	Report sent to patient's primary care physician	Invoice generated
Activity	Register	✓										
	Login to system		✓									
	Upload picture			✓								
	Visit feedback forum				✓	✓						
	Choose a doctor						✓	✓	✓	✓	✓	✓
	Customer Service	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Set up video chat with doctor							✓	✓	✓		
	Request a Bill							✓	✓	✓	✓	✓