

# CSE 4408

## System Analysis and Design

### Lab 2: Understanding and Modeling Organizational Systems

Date: 21.05.2025

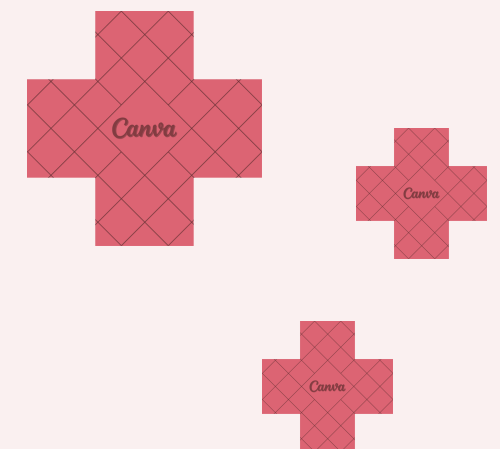
# MedRadAr

by team **CookiesAndCaches**

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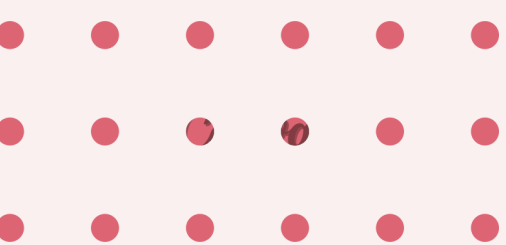
# Organizational Overview

## Organization: IUT OSW

**Core Function:** Serves as a platform for users to search and find medicines available in nearby pharmacies.

**Current System:** Manual – no tech platform used

**Problem area:** Finding urgent medicines requires visiting multiple pharmacies manually, wasting time and energy



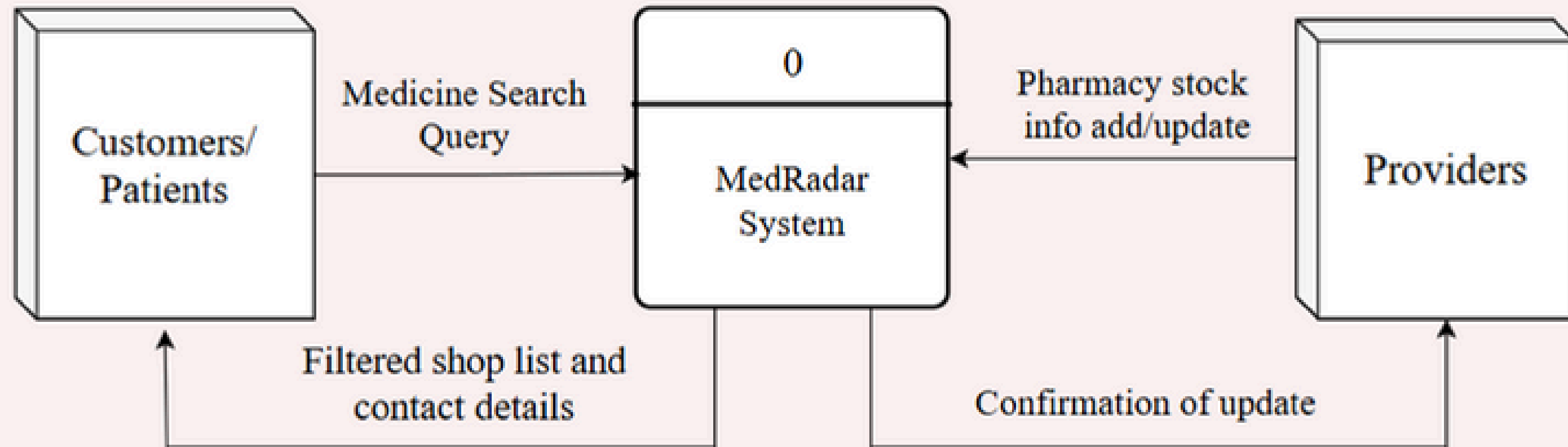
# In-scope Aspects

- ✓ User medicine search interface
- ✓ Display of pharmacy details (name, address, contact)
- ✓ User access to pharmacy stock info
- ✓ Location-based filtering of shops
- ✓ Portal for providers to update stock
- ✓ Rating and feedback for shops

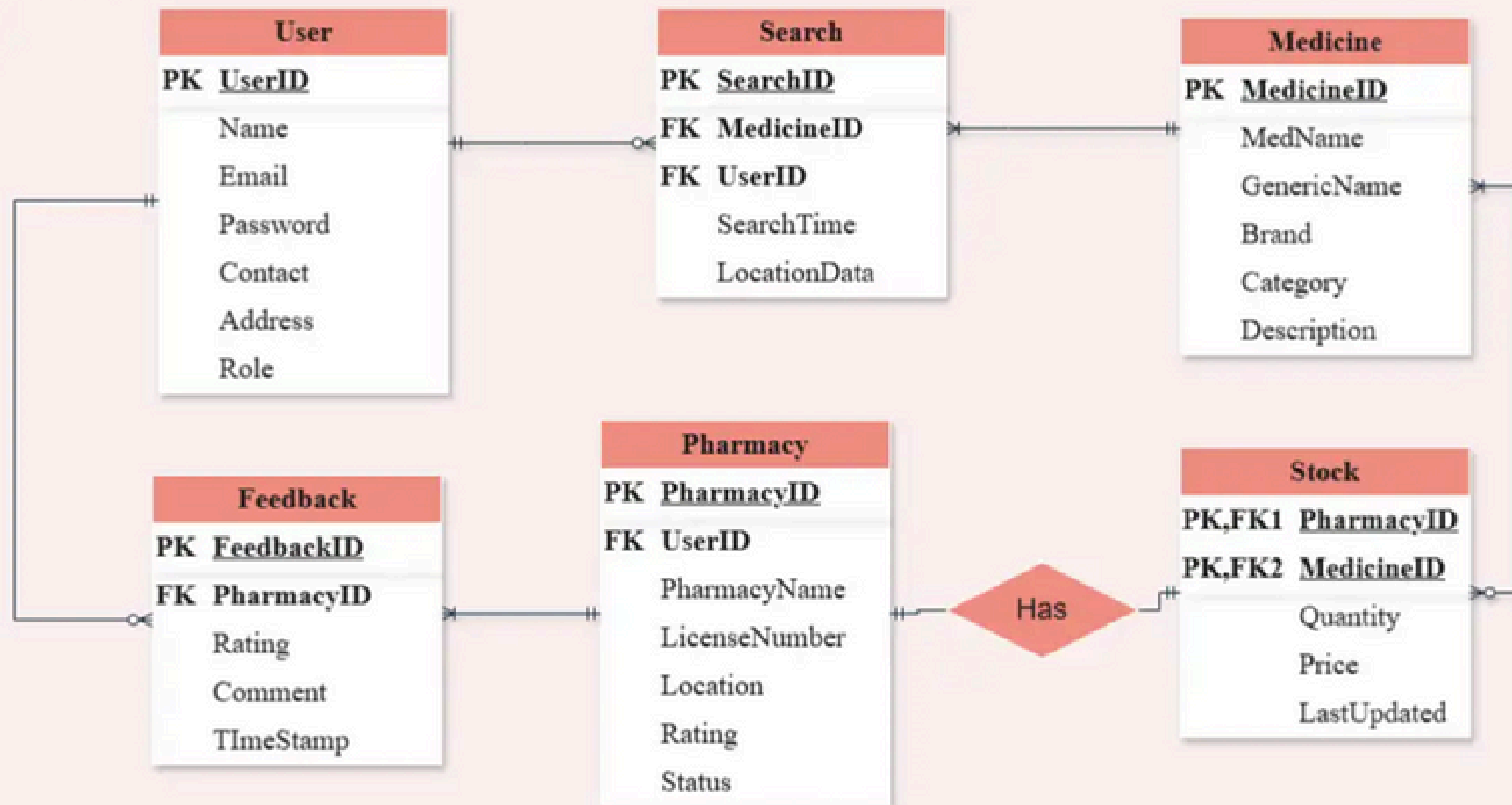
# Out of scope Aspects

- ❌ No online medicine ordering or delivery.
- ❌ No detailed patient health history or diagnosis tracking
- ❌ No advertisements or monetization features

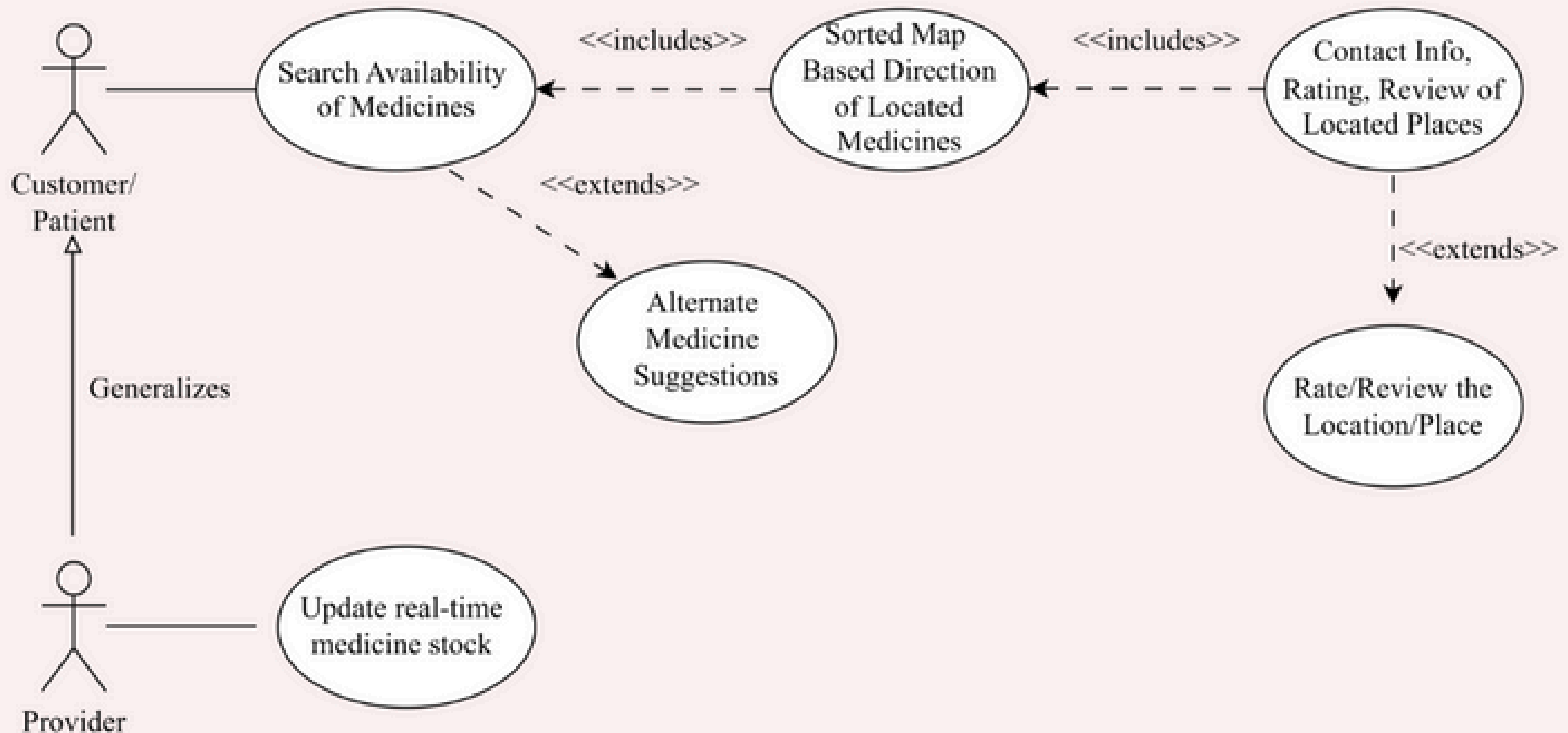
# Context Level DFD



# E-R Diagram

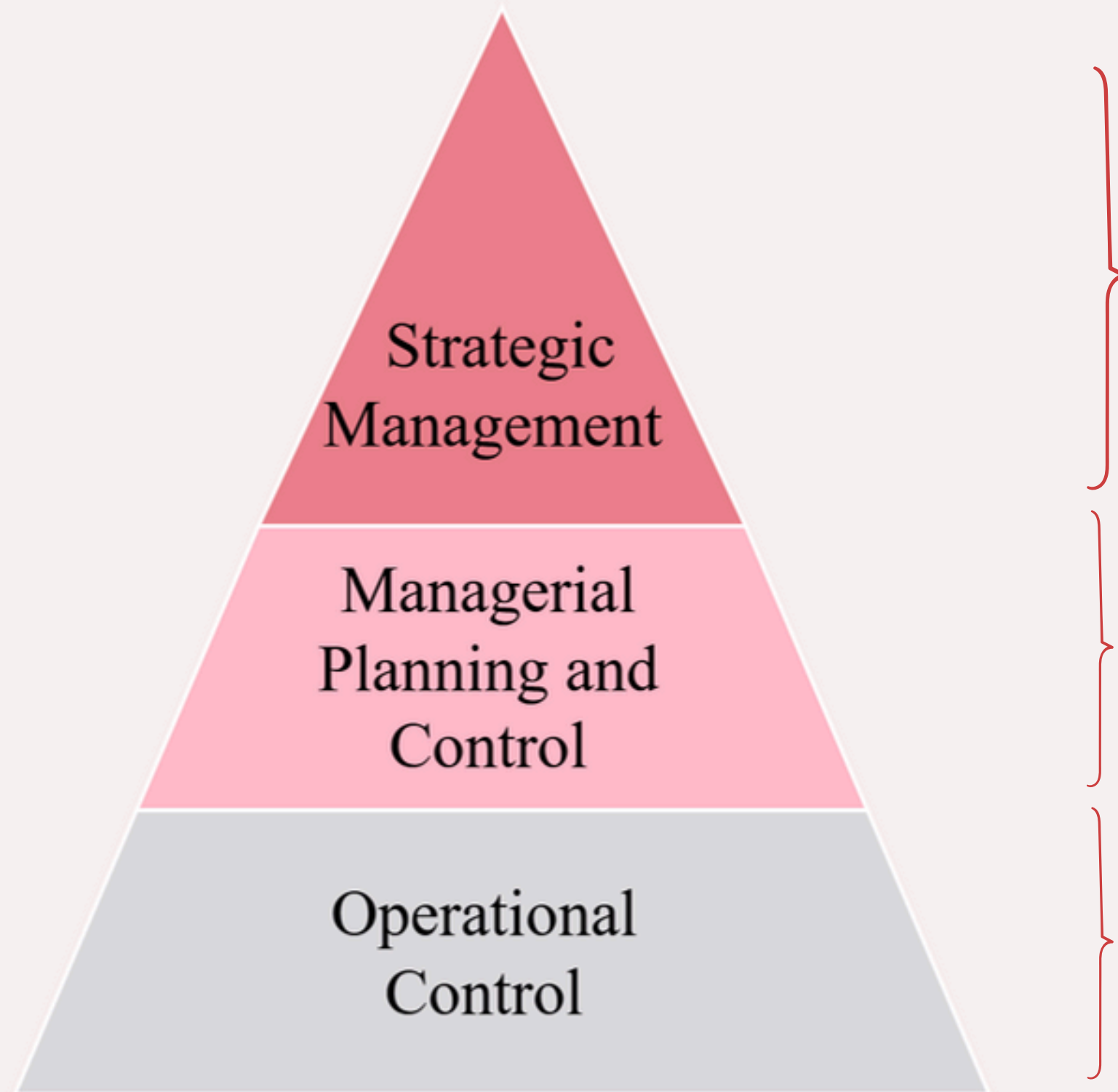


# High Level Use Case Diagram





# Management Levels and Culture



- Plans pharmacy network growth.
- Decides funding and rules for fair access.
- Reviews system impact on users.
- Tracks pharmacy performance.
- Uses feedback to improve service.
- Handles operational issues
- Handles daily stock updates.
- Stores user searches.
- Helps stock popular medicines

# Organizational Culture

- Open to technological change for better optimization
- Formal or semi-formal communication approach
- No evidence of resistance to change.
- No strong preference for manual system

# Thank you!

*Feel free to ask any questions!*

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