

OTC Medicine HandBook

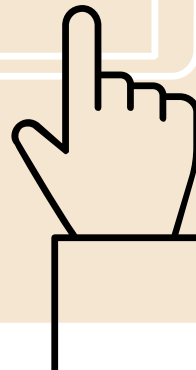
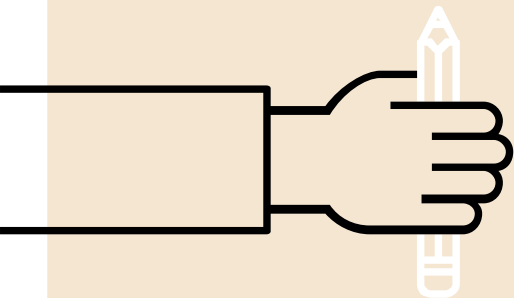
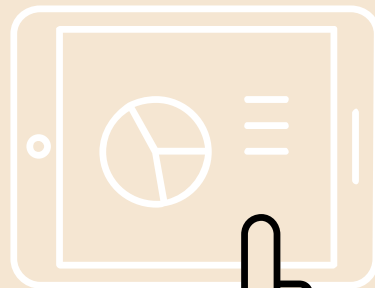
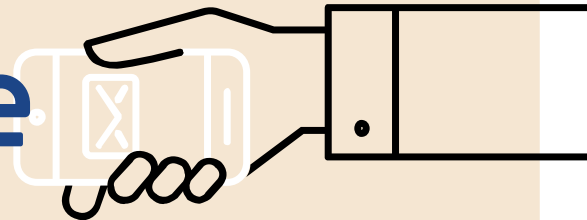
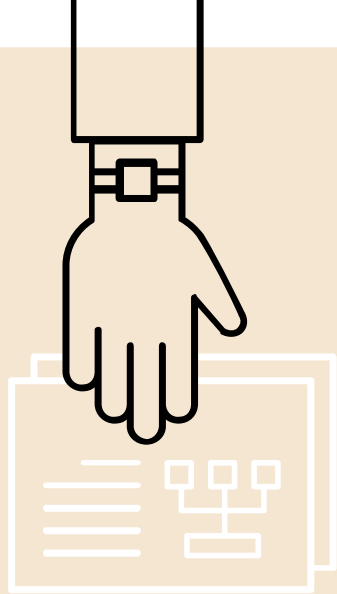
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CS 157A - Introduction to Database Management System

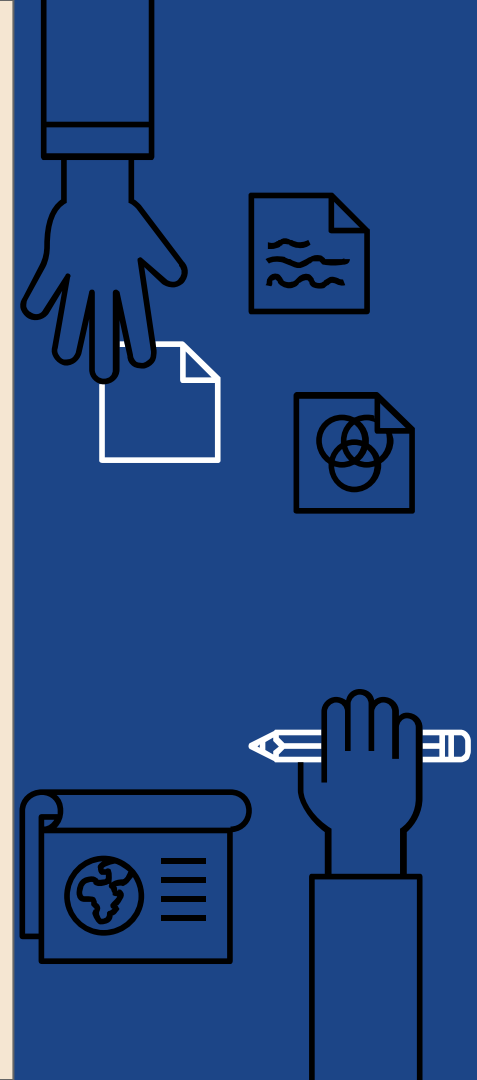
Instructor: Ramin Moazzeni, PhD

Aug 03, 2021

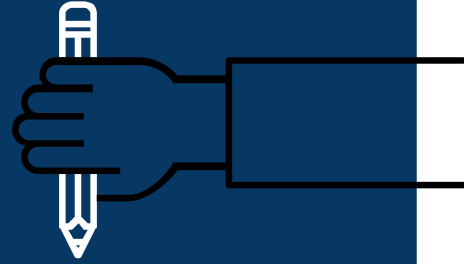


Problem

- Prescription medicine needs doctor's instruction
- Seeing a doctor is expensive even with health care coverage.
- Some common health problems could be self treated
 - Over the counter (OTC) medications can be obtained without a prescription.
- However, finding the right medications can be hard and time consuming.
- Current available OTC app can be costly



OTC Medicine HandBook



- **OTC HandBook is free**
- **Save time and money.**
- **Easy to read and understand.**
- **User friendly and convenient.**





Application Functionality

Users can find the best OTC medicine by:

- **Search by Symptom**
- **Search by Product Name**
- **Search by Category**

The App also show:

- ◆ **Stores**
 - ◆ **Review information**
- 



Application Functionality

- **Search by Symptom**
 - **Selecting the common available symptoms.**
 - **Searching the symptoms using keyword.**

OTC HandBook



Allergies

Common Cold

Diarrhea

Constipation

Upset
Stomach


Eye irritation



Application Functionality

- **Search by Product Name**
 - **Selecting the available product name.**
 - **Search for a specific product using the search function**

OTC HandBook



Allegra	Benadryl
Fungix	Pepcid
Vicks	Neosporin



Application Functionality

- **Search by Category**
 - **Find drugs based on categories**

OTC HandBook

Allergy and Sinus

Digestive Health

Cough and Cold

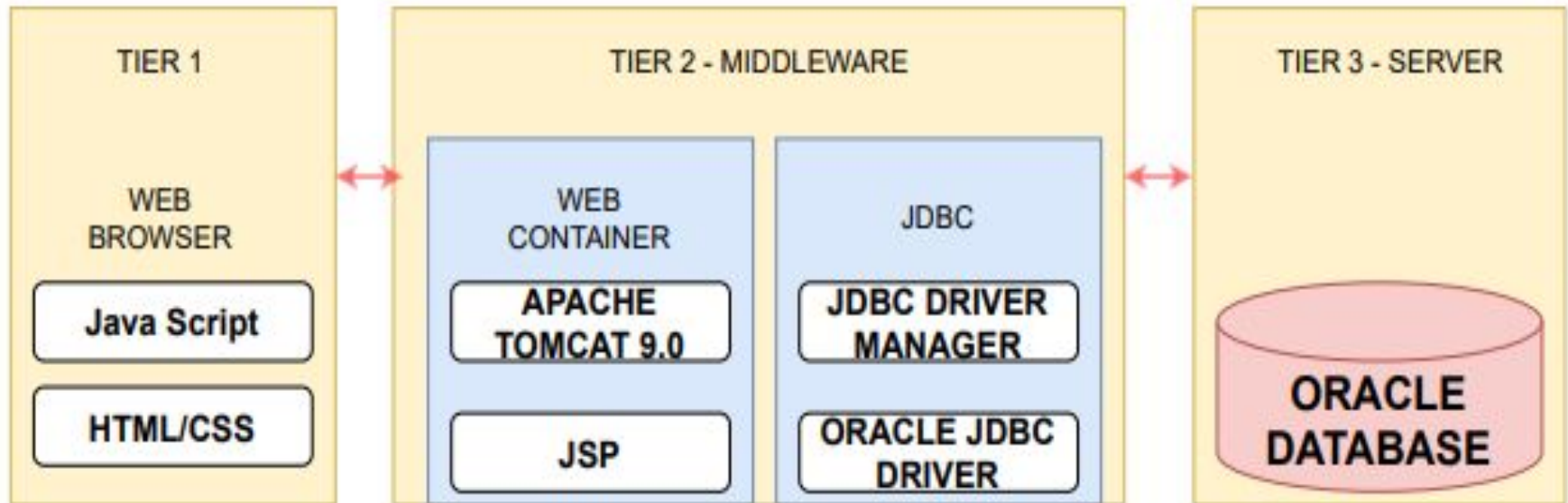
Ear Care

Eye Care

Foot Care

Application Architecture

OTC HANDBOOK ARCHITECTURE



Design Decision

- ★ Entity vs Attribute
- ★ Including manufacture information or not
- ★ User authentication or not
- ★ Dark mode vs Light mode
- ★ ReactJs vs JSP

Demo

Challenges

- **Looking for data and statics for database**
- **Research and explore on how to create a web application**
- **Time constraint and pressure**

Improvements

- **Making the data more complete.**
- **User can check in as guest or member**
- **Member can add the often used medications in their frequently used list.**
- **OTC medications corresponding/ alternative to prescription drugs**

Thank you