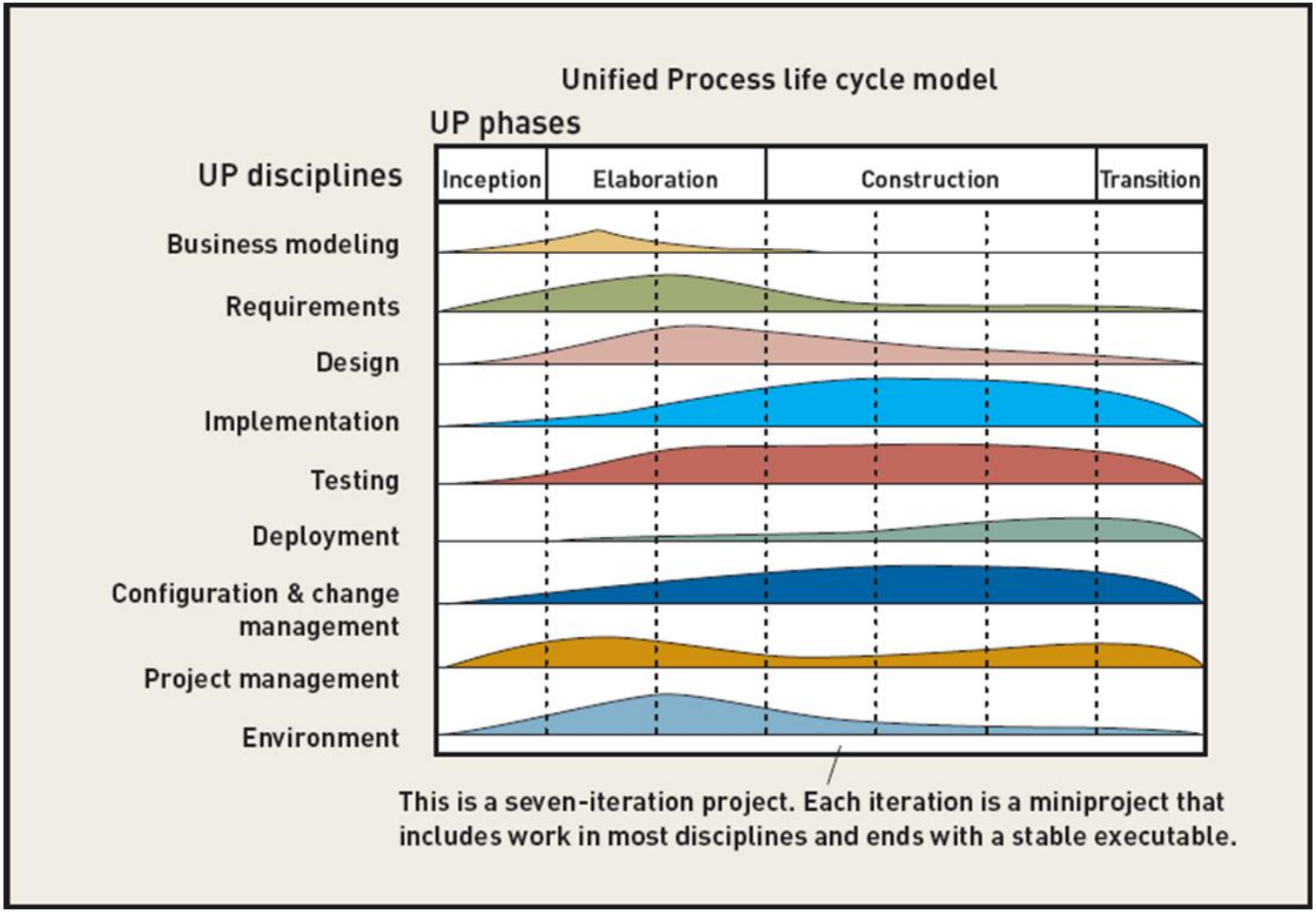
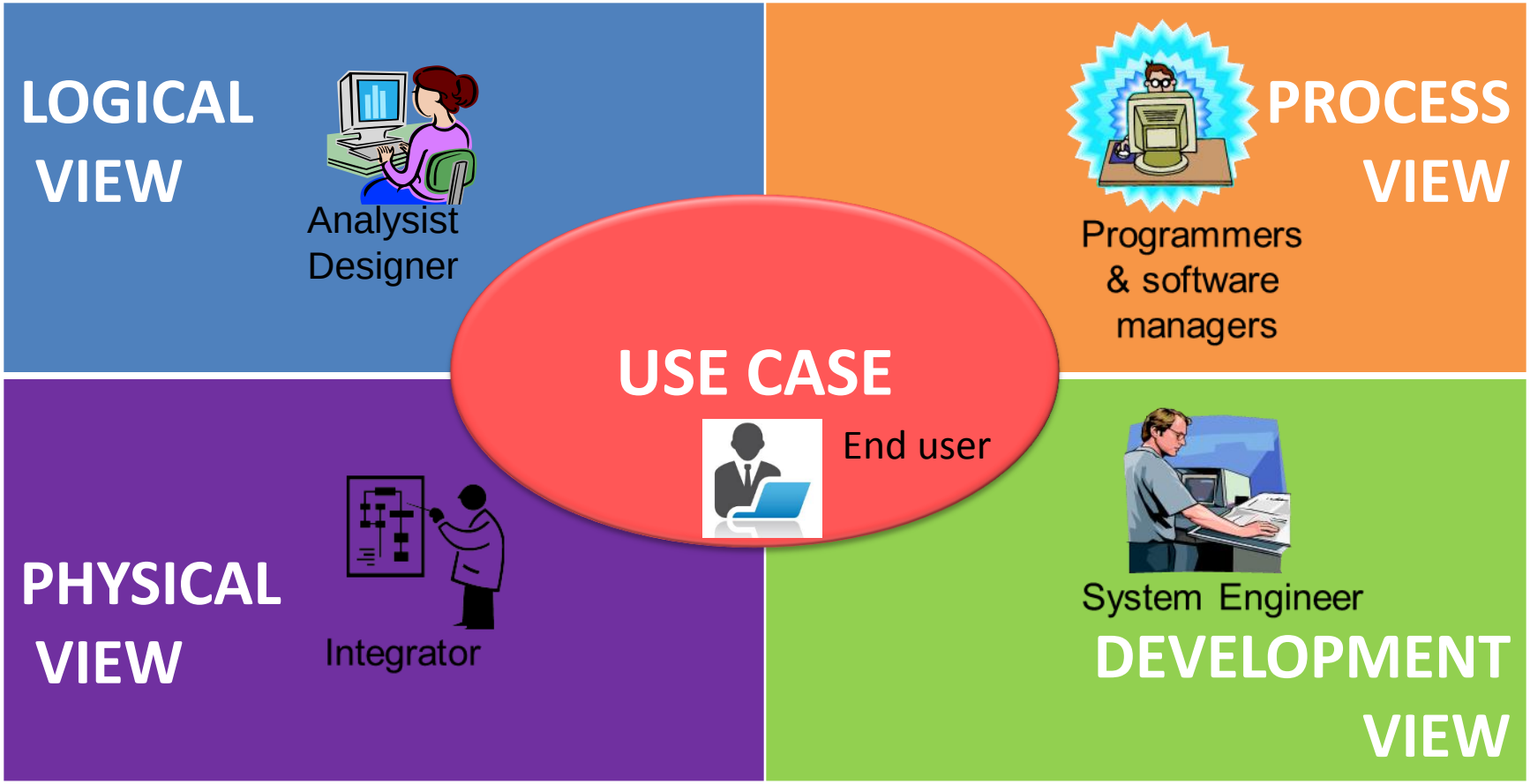
Review RUP

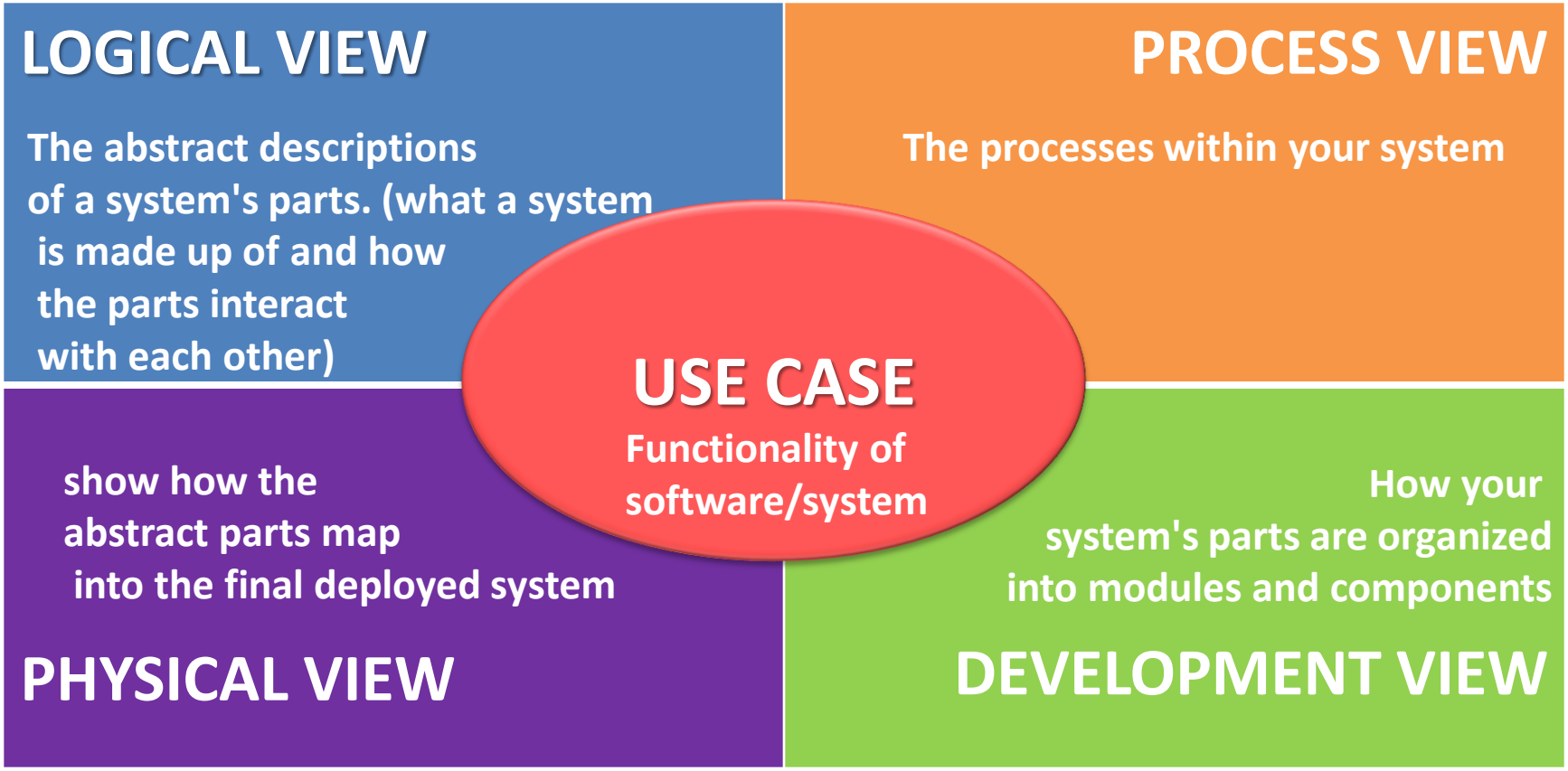

Unified Process life cycle model
UP phases
UP disciplines
Inception
Elaboration
Construction
Transition
Business modeling
Requirements
Design
Implementation
Testing
Deployment
Configuration & change management
Project management
Environment
This is a seven-iteration project. Each iteration is a miniproject that includes work in most disciplines and ends with a stable executable.

** HÃY TRÌNH BÀY CHI TIẾT VỀ MÔ HÌNH “4+1”VIEW

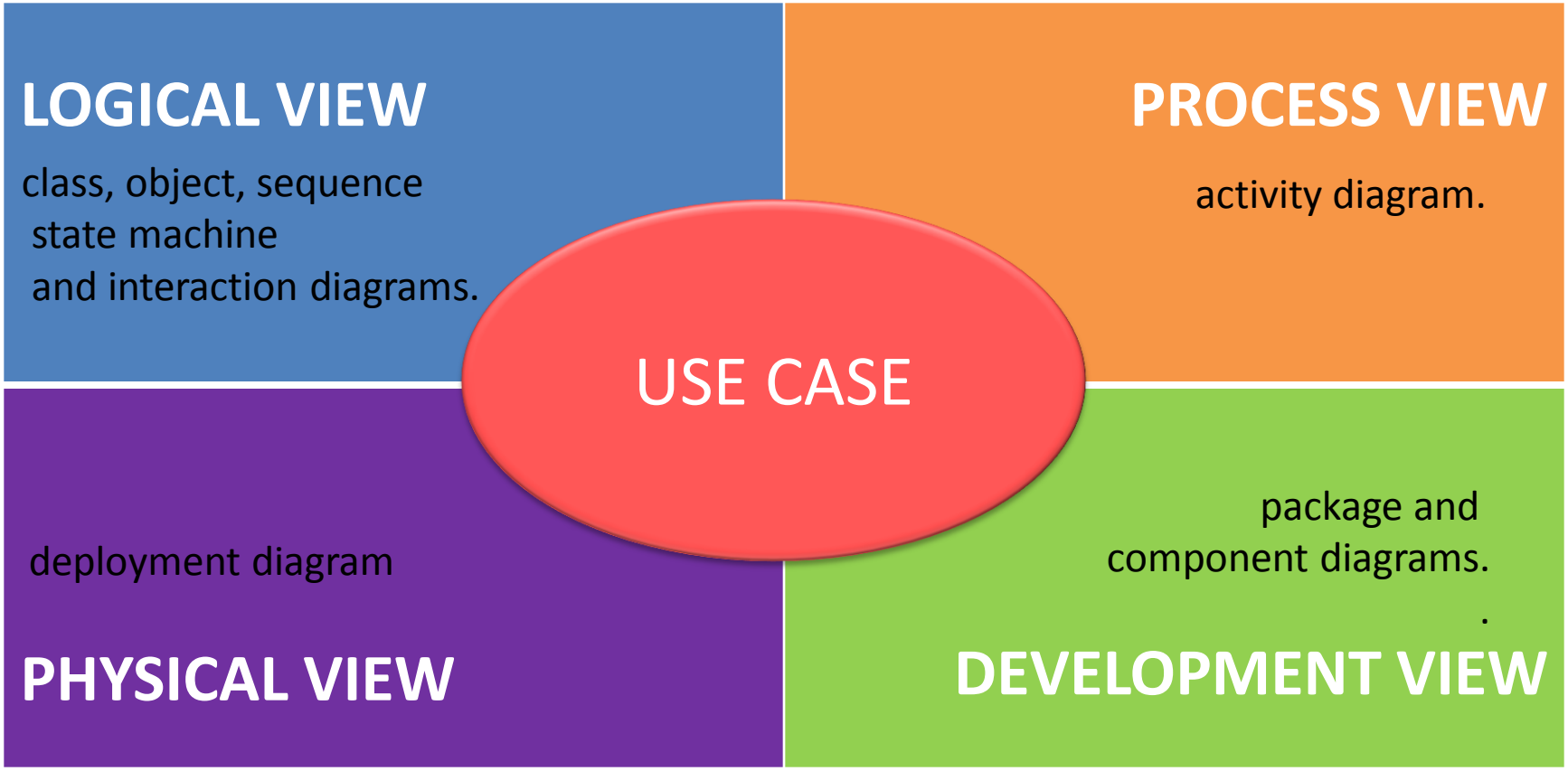
4 + 1 Views


LOGICAL VIEW
Analysist
Designer
PROCESS VIEW
Programmers
& software
managers
USE CASE
End user
PHYSICAL VIEW
Integrator
System Engineer
DEVELOPMENT VIEW

4 + 1 Views


LOGICAL VIEW
The abstract descriptions of a system's parts. (what a system is made up of and how the parts interact with each other)
PROCESS VIEW
The processes within your system
USE CASE
Functionality of software/system
show how the abstract parts map into the final deployed system
PHYSICAL VIEW
How your system's parts are organized into modules and components
DEVELOPMENT VIEW

4 + 1 Views


LOGICAL VIEW
class, object, sequence
state machine
and interaction diagrams.
PROCESS VIEW
activity diagram.
USE CASE
deployment diagram
PHYSICAL VIEW
package and
component diagrams.
.
DEVELOPMENT VIEW

PHÂN TÍCH VÀ MÔ HÌNH HÓA YÊU CẦU

CONTENT

1. USE CASE DIAGRAM
2. PROTOTYPE
3. ACTIVITY DIAGRAM

USECASE DIAGRAM

USE CASE DESCRIPTIONS

Use Case Name: Make appointment	ID: 2	Importance Level: High
Primary Actor: Patient	Use Case Type: Detail, essential	

Stakeholders and Interests:
Patient - wants to make, change, or cancel an appointment
Doctor - wants to ensure patient's needs are met in a timely manner

Brief Description: This use case describes how we make an appointment as well as changing or canceling an appointment.

Trigger: Patient calls and asks for a new appointment or asks to cancel or change an existing appointment.

Type: External

Relationships:

Association:	Patient
Include:	Make Payment Arrangements
Extend:	Create New Patient
Generalization:	

Normal Flow of Events:

1. The Patient contacts the office regarding an appointment.
2. The Patient provides the Receptionist with their name and address.
3. The Receptionist validates that the Patient exists in the Patient database.
4. The Receptionist executes the Make Payment Arrangements use case.
5. The Receptionist asks Patient if he or she would like to make a new appointment, cancel an existing appointment, or change an existing appointment.
   If the patient wants to make a new appointment,
   the S-1: new appointment subflow is performed.
   If the patient wants to cancel an existing appointment,
   the S-2: cancel appointment subflow is performed.
   If the patient wants to change an existing appointment,
   the S-3: change appointment subflow is performed.
6. The Receptionist provides the results of the transaction to the Patient.

USE CASE DESCRIPTIONS

Subflows:

S-1: New Appointment

1. The Receptionist asks the Patient for possible appointment times.
2. The Receptionist matches the Patient's desired appointment times with available dates and times and schedules the new appointment.

S-2: Cancel Appointment

1. The Receptionist asks the Patient for the old appointment time.
2. The Receptionist finds the current appointment in the appointment file and cancels it.

S-3: Change Appointment

1. The Receptionist performs the S-2: cancel appointment subflow.
2. The Receptionist performs the S-1: new appointment subflow.

Alternate/Exceptional Flows:

3a: The Receptionist executes the Create New Patient use case.

S-1, 2a1: The Receptionist proposes some alternative appointment times based on what is available in the appointment schedule.

S-1, 2a2: The Patient chooses one of the proposed times or decides not to make an appointment.

TEMPLATE can be found at www.wiley.com/college/dennis

FIGURE 6-4 Use Case Description Example

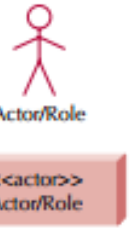
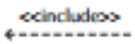
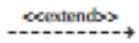
An Actor: ■ Is a person or system that derives benefit from and is external to the subject ■ Is depicted as either a stick figure (default) or if a non-human actor is involved, as a rectangle with <<actor>> in it (alternative) ■ Is labeled with its role ■ Can be associated with other actors using a specialization/superclass association, denoted by an arrow with a hollow arrowhead ■ Are placed outside the subject boundary	
A Use Case: ■ Represents a major piece of system functionality ■ Can extend another use case ■ Can include another use case ■ Is placed inside the system boundary ■ Is labeled with a descriptive verb-noun phrase	
A Subject Boundary: ■ Includes the name of the subject inside or on top ■ Represents the scope of the subject, e.g., a system or an individual business process	
An Association Relationship: ■ Links an actor with the use case(s) with which it interacts	
An Include Relationship: ■ Represents the inclusion of the functionality of one use case within another ■ The arrow is drawn from the base use case to the included use case	
An Extend Relationship: ■ Represents the extension of the use case to include optional behavior ■ The arrow is drawn from the extension use case to the base use case	
A Generalization Relationship: ■ Represents a specialized use case to a more generalized one ■ The arrow is drawn from the specialized use case to the base use case	

FIGURE 6-6 Syntax for Use Case Diagram

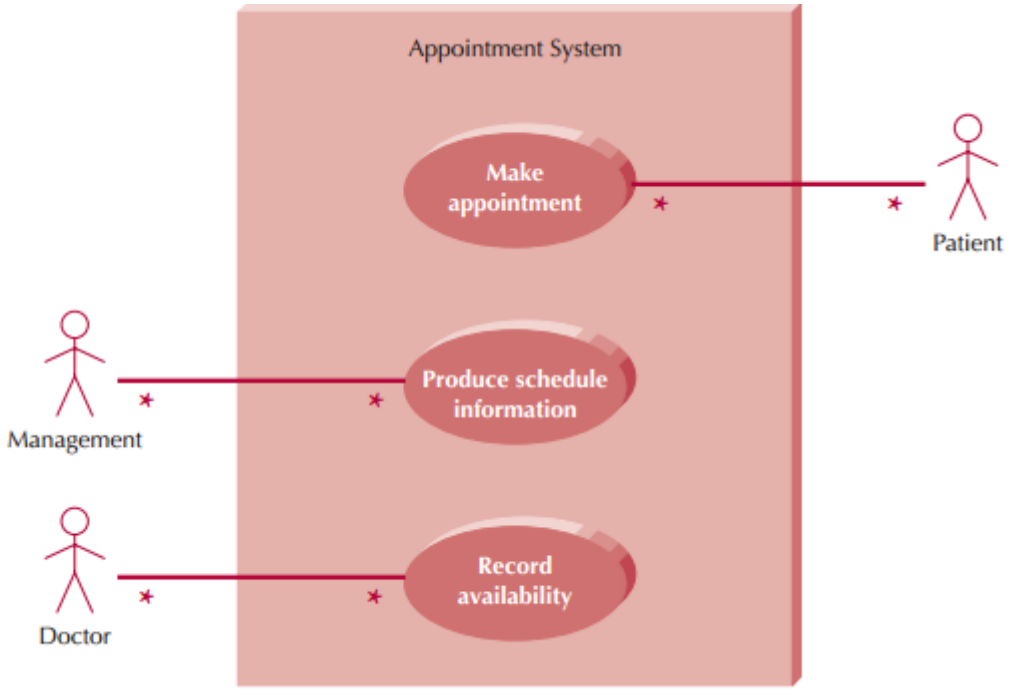


FIGURE 6-7
Use Case Diagram for Appointment System

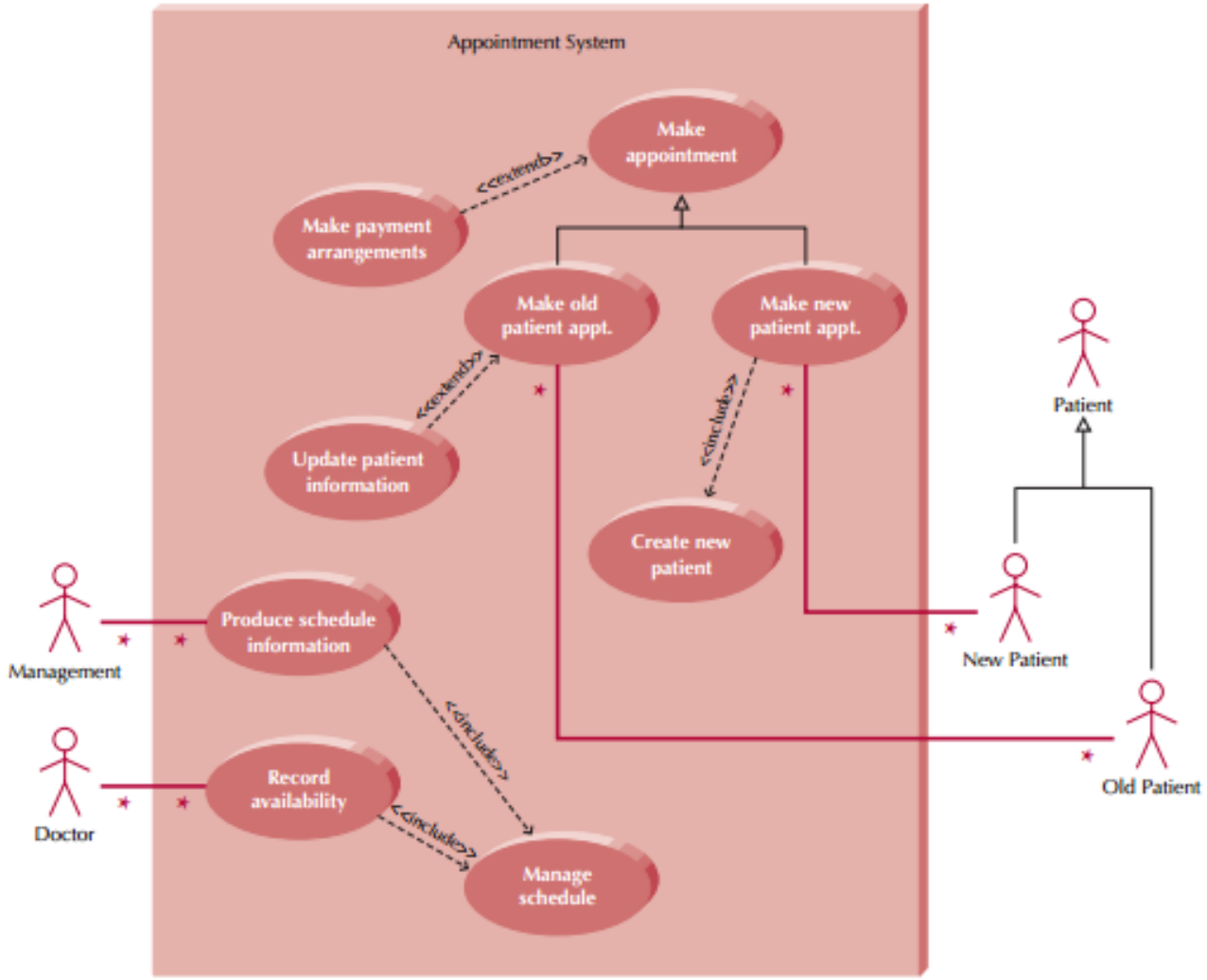


FIGURE 6-9 Extend and Include Relationships

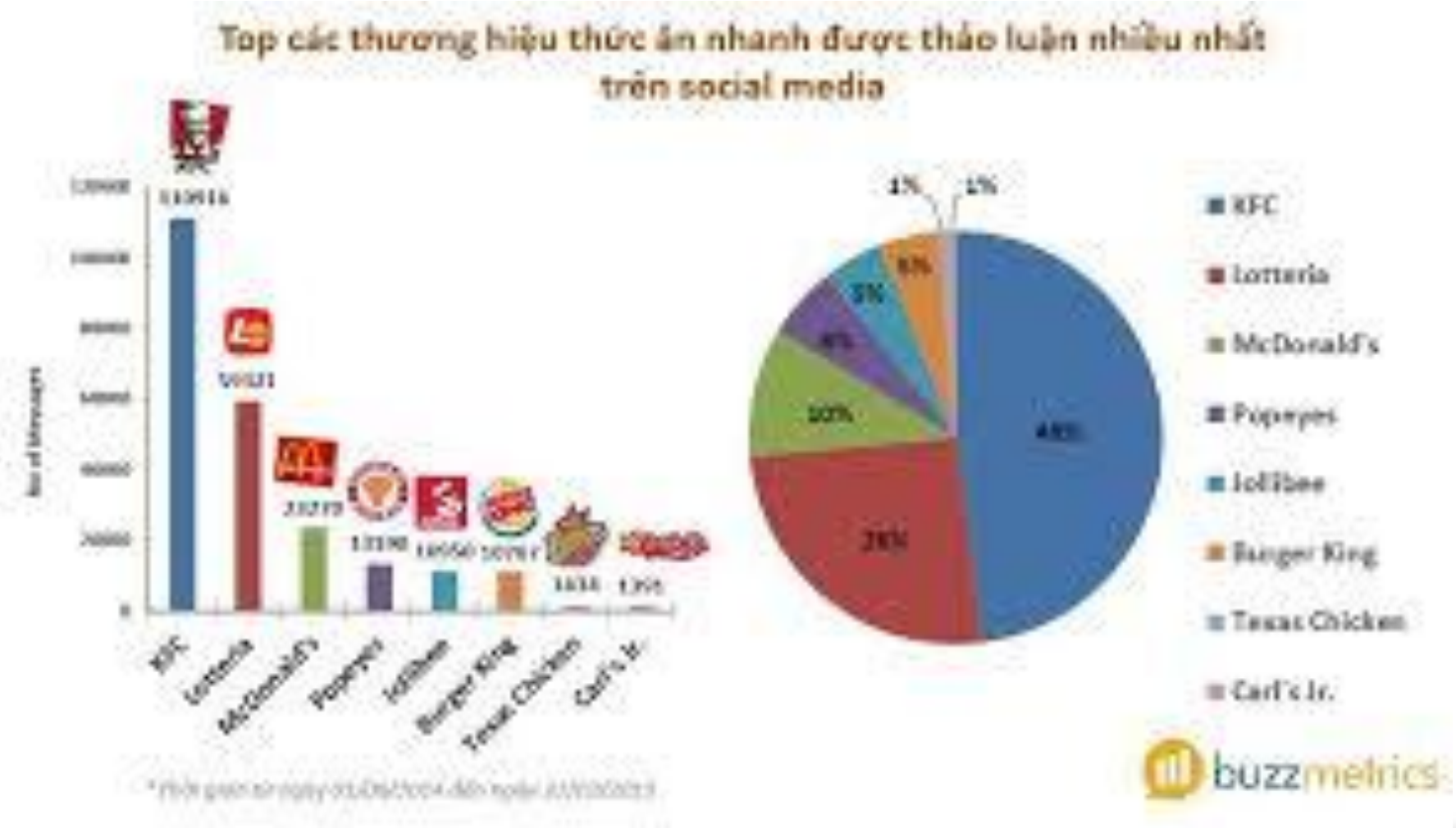
BÀI TẬP ỨNG DỤNG

BIDV ATM

BIDV ATM

- Đầu tiên mới được cấp thẻ, mình phải làm gì để kích hoạt?
- BIDV ATM có các chức năng nào trên màn hình chức năng?
- Vẽ lại giao diện
- Vẽ use case diagram
- Mô tả từng chức năng
- Viết use case specification

CỬA HÀNG THỨC ĂN NHANH



CỬA HÀNG THỨC ĂN NHANH

- Ai là người sử dụng hệ thống?
- Người dùng đó sử dụng hệ thống với chức năng gì?
- Chức năng đó được thực hiện ra sao?
- Vẽ use case diagram và viết usecase specification cho từng chức năng

PROJECT WORKING

- Nhận diện người dùng của hệ thống
- Xác định chức năng ứng với từng người dùng.
- Tiến hành phân tích vẽ use case diagram cho project
- Viết use case specification cho từng chức năng.
- In ra và nộp lại cho giáo viên vào tuần sau. Ghi rõ phần phân công trong nhóm, đánh giá mức độ hoàn thành của từng thành viên.

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Gary B. Shelly, Harry J. Rosenblatt, 2012.

- Software Engineer 8th Edition, Ian Sommerville
- System Analysis and Design with UML Version 2.0, An Object-Oriented Approach, Second Edition, Alan Dennis, 2005


ThankYou
Merci
Salamat
Kop
Tack
Hvala
Xie
Gra
kun
Dhanyavad
Khopjai
Kruthagnathalu
Arigatou
Dhonnobaad
Asante
Gomapsupnida
Terima
Danke
Enkosi
dank
Euxaristo
Kun
Shukriya
Gracias
Nandree
Blagodariya
Fyrir
Grazzi
raibh
krap
Dakujem
Daw
Waad
Dhanyavaadaalu
Gamsahapnida
Dank
Takk
Te°ekkür
Dekuju/Dekujeme
Diolch
Kiitos
Sheun
umesc
Shnorhakalutiun
Kasih
Mamnoon
Todah
Shokriya
Ngiyabonga
Dziękuję
Shokrun
Spaas
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Dhanyavaad
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Falemínderit
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