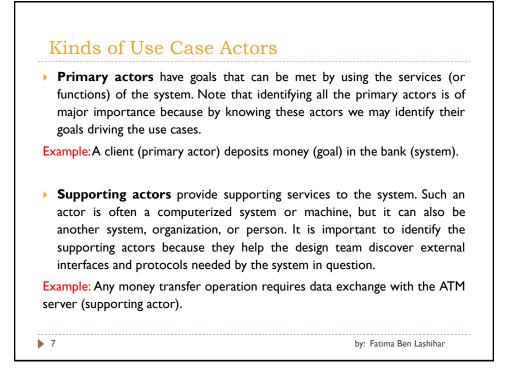


Use Case Actors

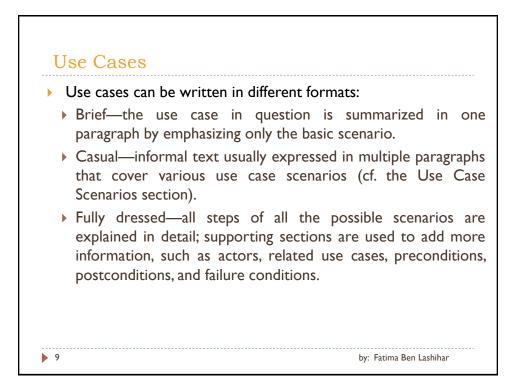
- An actor represents a class of system users playing a specific role in use cases.
- Note that several users may play the same role in a system and an actor represents a single role, not a single user. But a single user may take one or more roles.
- The roles presented by actors may be taken not only by humans but also by organizations, machines, or machine components, and other software systems or software components.
 6



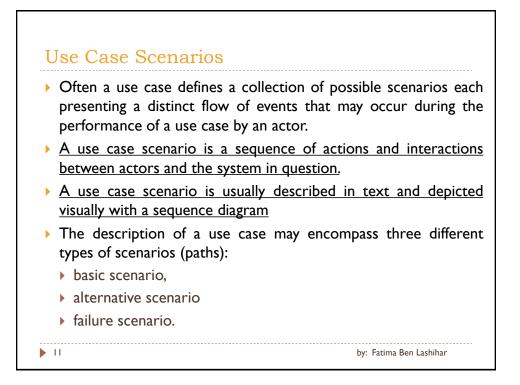
Kinds of Use Case Actors

Offstage actors are not directly involved in any use cases, but have an interest in some aspects of the system behavior; that is, in some of the use cases. Often, offstage actors are not presented in the use case model unless they are explicitly named by other system stakeholders.

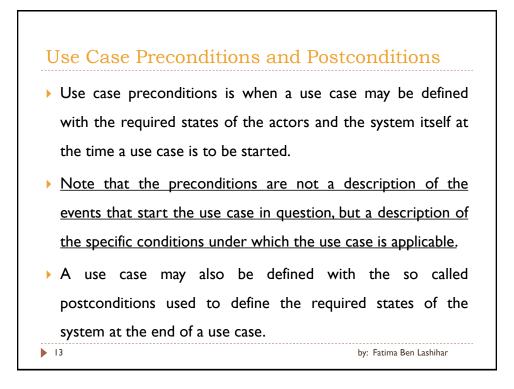
Example: When pressed, the emergency button turns on the hidden camera and calls the police department (offstage actor).



| | Name | Get Demand | - |
|-------------|--------------------|--|---|
| | Actor | Worker | _ |
| | Description | A worker seeks and gets any pending demand from the demand space (DS). | |
| | Related use cases | This use case is included in the use case "Dispatch demand," and it includes the use case "Migrate demand." | |
| | Preconditions | A pending demand is stored in the DS. |] |
| | Basic scenario | The worker completes its work, and makes its associated transport agent (TA) listen to the DS for any pending demand. | |
| Fully | | The TA discovers a pending demand through its associated dispatcher proxy (DP). | |
| Dressed Use | | 3. The DP changes the status of that demand from | |
| | | pending to in process. 4. The DP takes a copy of that demand and passes it to | |
| Case | | the TA. 5. The TA migrates the demand copy to the worker | |
| Description | | (refers to the use case Migrate demand). | |
| Example | Alternative | The dispatch demand (DD) is local to the worker, and the worker makes its associated DP listen to the DS for any pending demand. The DP discovers a pending demand. The DP changes the flag of the demand from pending to in process. The DP takes a copy of that demand and passes it to the worker. | |
| | Failure | 1.1. The worker cannot find its associated TA. | |
| | Failure conditions | The TA is no longer available due to a network failure or due to a TA failure. | |
| | Postconditions | The copy of the demand is delivered to the worker. The state of the original demand is changed to "in process." | |



| Use Case "Place Order" | Name | Place Order |
|------------------------------|--------------------|--|
| | Actor | Customer |
| | Description | The customer provides address information and a list of product codes. The system confirms the order. |
| | Preconditions | The customer must be logged on to the system. |
| | Basic scenario | Customer enters name and address. Customer enters product code for items they wish to order. The system supplies a product description and price for each item. The system keeps running total of ordered items as they are entered. The customer enters credit card information. The system validates the credit card information. The system issues a receipt to the customer. |
| | Alternative #1 | 3.1. The product is out of stock:3.1.1. The system informs the customer that the product cannot be ordered.3.1.2. Continue with 2. |
| | Alternative #2 | 6.1. The system rejects the credit card. 6.1.1. The system informs the customer that the credit card information is not valid. 6.1.2. Continue with 5. |
| | Alternative #3 | Alternative #1 and Alternative #2 |
| | Failure | 6.1.2.1. The customer cancels the order. |
| | Failure Conditions | The credit card is not valid. |
| | Postconditions | An order has been submitted. |

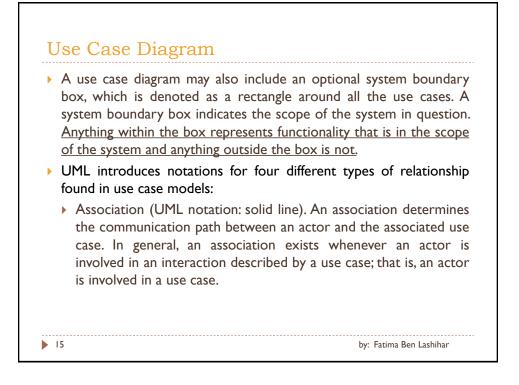


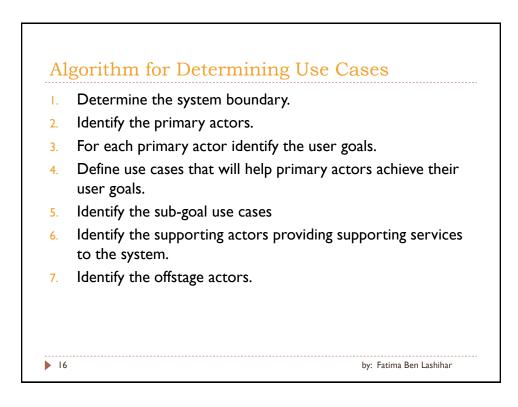
Use Case Diagram

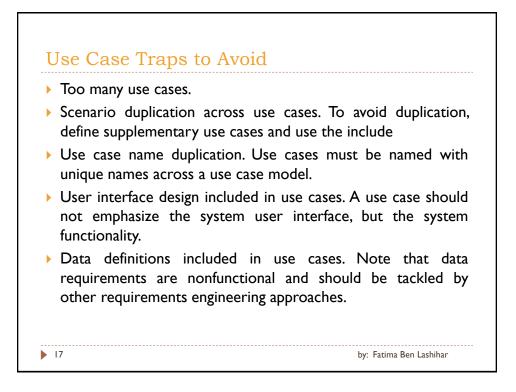
▶ 14

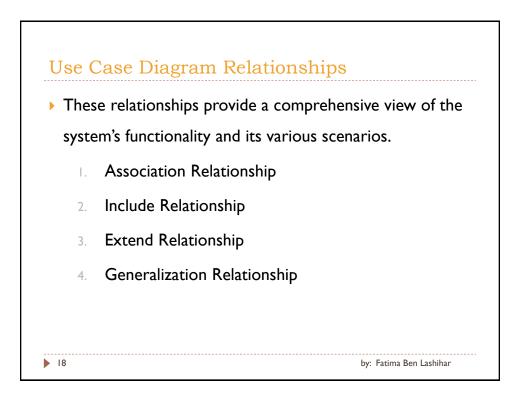
- A use case diagram visualizes and conveys the structure of the use case model of a system.
- It shows interactions between a system and the use case actors.
- A use case diagram is a graph where the nodes represent both actors and use cases, and the lines represent relationships among use cases and actors.
- the use case diagrams have low information content and they are complementary documents meant to assist the use case textual descriptions
- A use case is represented by an ellipse that can be labeled.
- An actor is usually drawn as a named stick figure or, alternatively, as a class rectangle with the «actor» keyword.

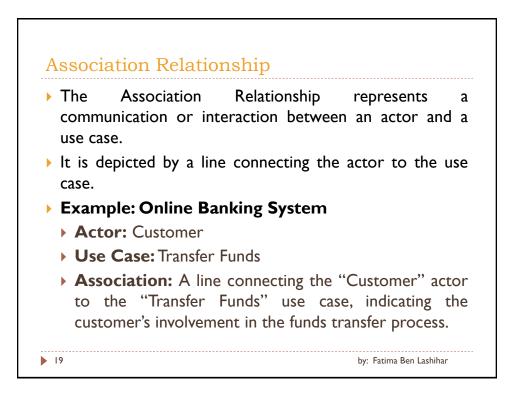
```
by: Fatima Ben Lashihar
```

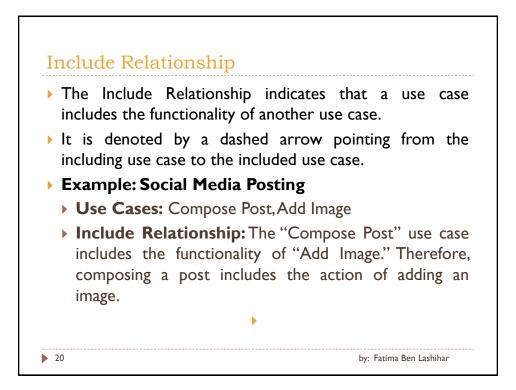


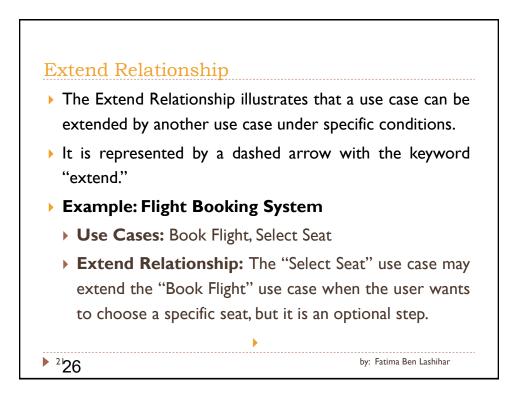


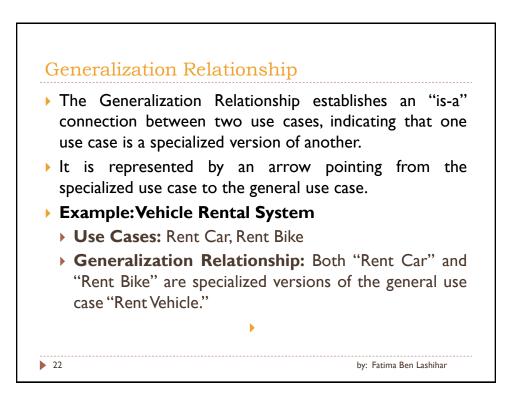


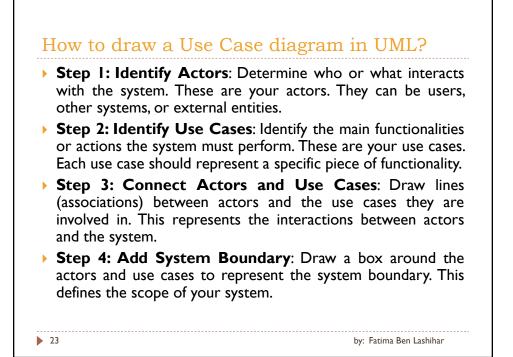


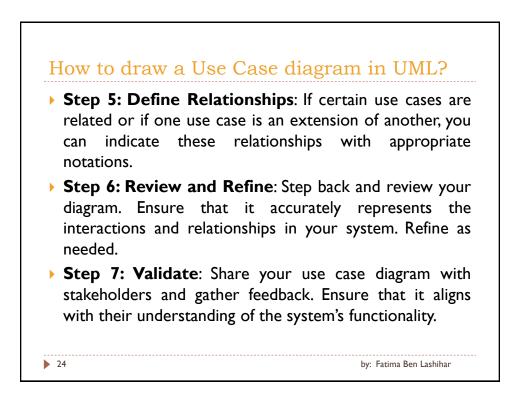




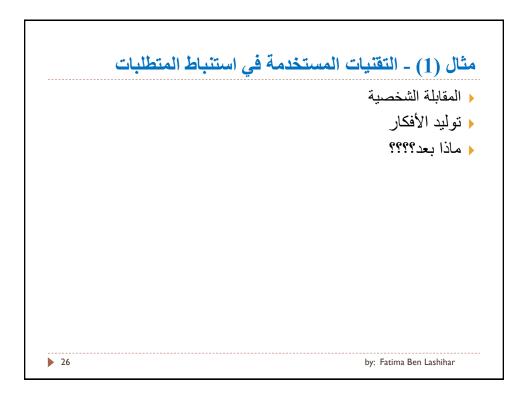




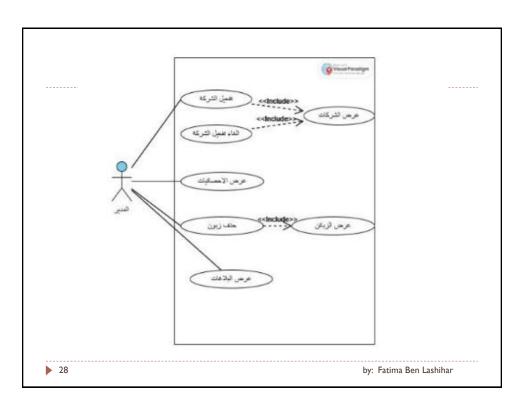


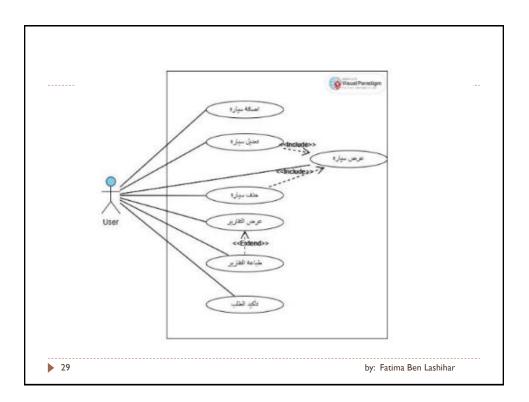


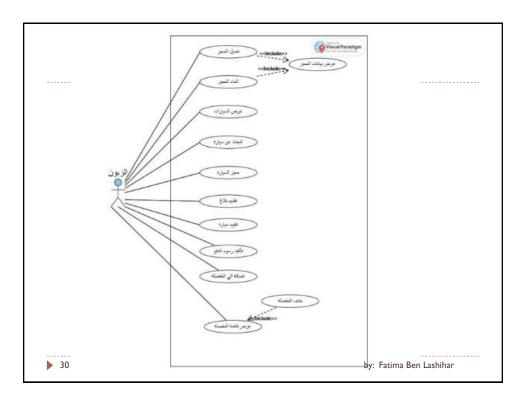












| | الغاء الحجز | حالة الاستخدام | |
|----|---|-------------------|--------------|
| | يجب على النظام توفير وظيفة الغاء الحجز ونلك لتمكين المستخدم من الغاء | الوصف | |
| | الحجز . | | |
| | الزبون | الممثل | |
| | أن يكون المستخدم قد قام بتسجيل الدخول مسبقاً إلى النظام. | الشروط السابقة | |
| | أن يكون المستخدم قد قام بحجز السيارة مسبقا | | |
| | يقوم المستخدم بالضغط على ايقونة الحجز من الصفحة الرئيسية للزبون | العمليات الإساسية | |
| | يقوم النظام بعرض قائمة الحجوزات، والسعر الإجمالي للحجز وتاريخ | | |
| | بداية ونهاية الحجز | | |
| | يقوم المستخدم بإجراء الغاء الحجز | | |
| | يقوم المستخدم بالضغط على زر تأكيد الغاء الحجز | | |
| | يقوم النظام بإلغاء الحجز | الشروط اللاحقة | |
| 31 | | | 3en Lashihar |



| | تغيير كلمة المرور . | حالة الاستخدام | |
|-----|--|----------------------|--------------|
| | يجب على النظام توفير وسيلة لتغيير كلمة المرور الخاصة بالمستخدم عند رغبته في التغبير . | الوصف | |
| | الشركة، الزبون. | الممثل | |
| | أن يكون المستخدم قد قام بتسجيل الدخول مسبقاً إلى النظام. | الشروط السابقة | |
| | يقوم المستخدم بالضغط على أيقونة الملف الشخصي | العمليات الأساسية | |
| | يقوم النظام بعرض الخيارات الموجودة في الملف الشخصي | | |
| l l | يقوم المستخدم بالضغط على زر اعدادات العلف الشخصي. | | |
| | يقوم النظام بعرض صفحة اعدادات الملف الشخصي | | |
| | يقوم المستخدم بالضغط على خبار تغيير كلمة المرور . | | |
| | يقوم النظام بعرض صفحة تغيير كلمة المرور يقوم المستخدم بإدخال كلمة المرور السابقة، وكلمة المرور الجديدة، | | |
| | يوم المسعدم بركان دهم القرور السابعة، وهمه القرور الجديدة، وتأكيد كلمة المرور الجديدة. | | |
| | يتم الضغط على زر حفظ. | | |
| | يتم تغيير كلمة المرور الخاصة بالحساب في قاعدة البيانات. | الشروط اللاحقة | |
| | إظهار رسالة خطأ في حال ان كلمة المرور السابقة غير صحيحة. | العمليات الاستثنائية | |
| | اظهار رسالة خطأ إذا كانت كلمة المرور وتأكيد كلمة المرور غير | | |
| 33 | متطابقتان. | | Ben Lashihar |



