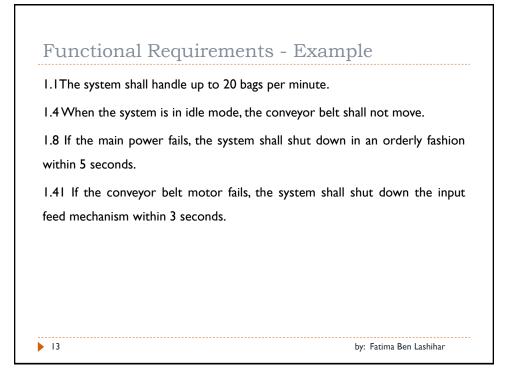


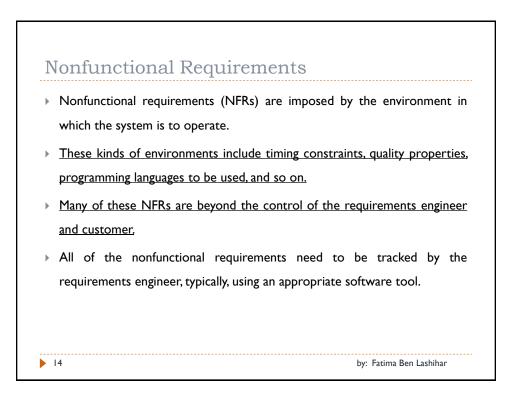
## Functional Requirements

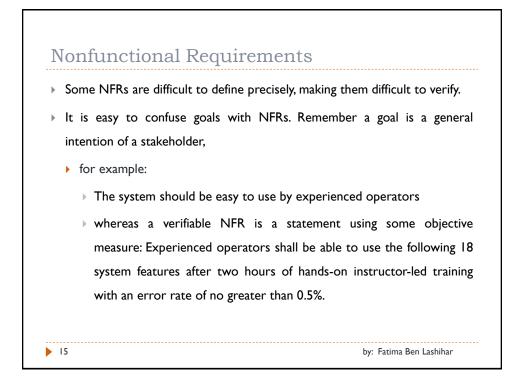
| 12

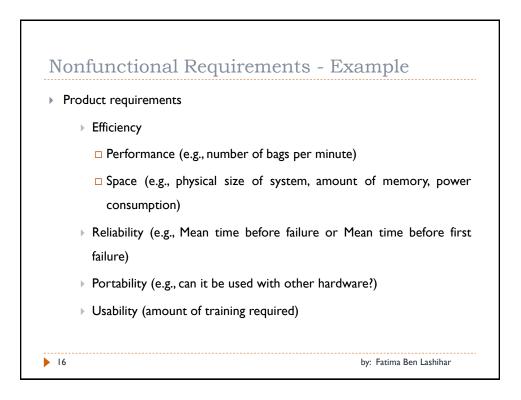
- They describe the services the system should provide and how the system will react to its inputs.
- They need to explicitly state certain behaviors that the system should not do.
- They can be high level and general (in which case they are user requirements in the sense that was explained previously) or they can be detailed, expressing inputs, outputs, exceptions, and so on (in which case they are the system requirements described before).
- There are many forms of representation for functional requirements, from natural language, visual models, and the more rigorous formal methods.

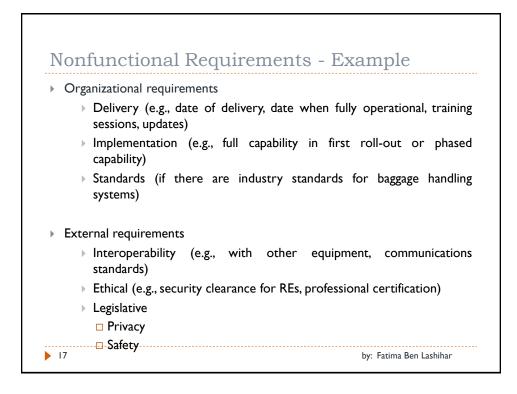






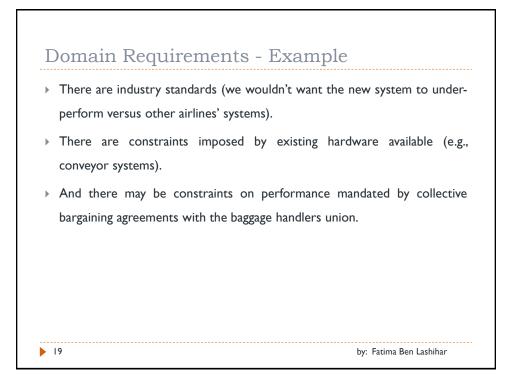


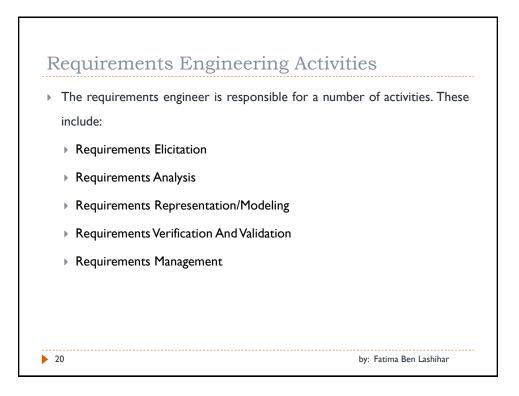


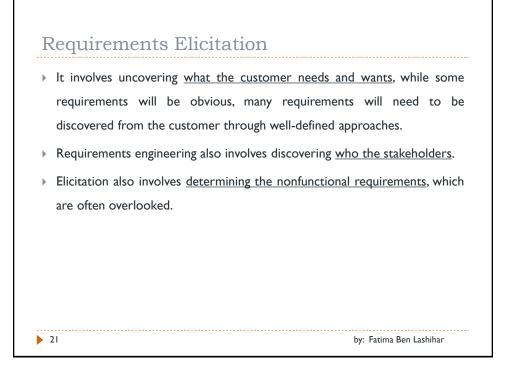


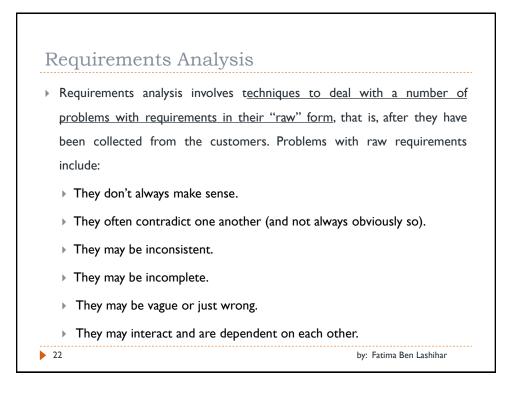
## Domain Requirements

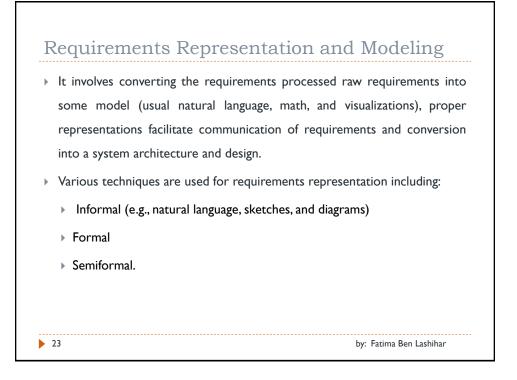
- > Domain requirements are derived from the application domain.
- > These types of requirements may consist of:
  - New functional requirements
  - Constraints on existing functional requirements
  - > They may specify how particular computations must be performed.

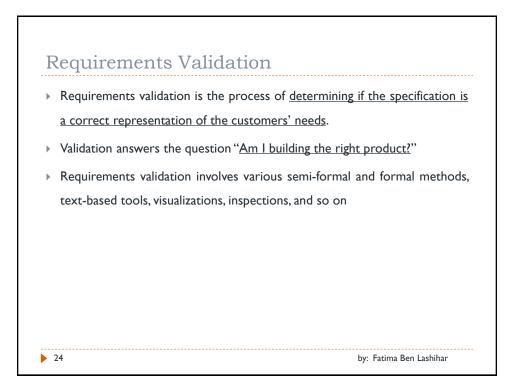


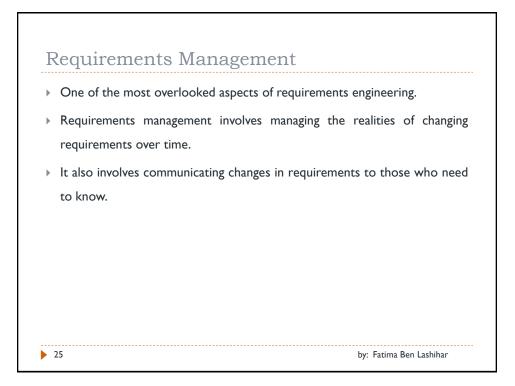


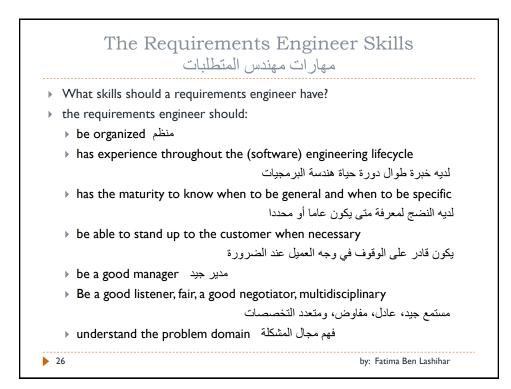


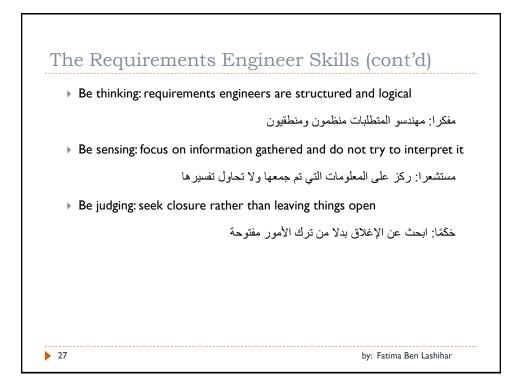


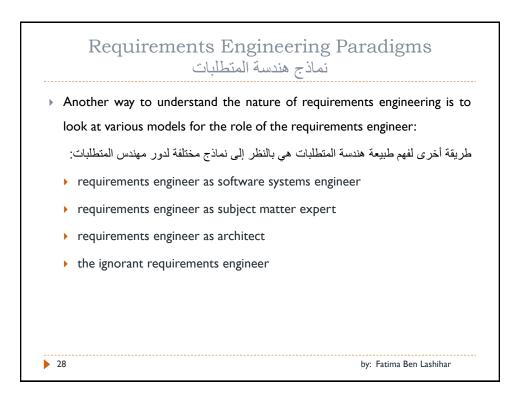


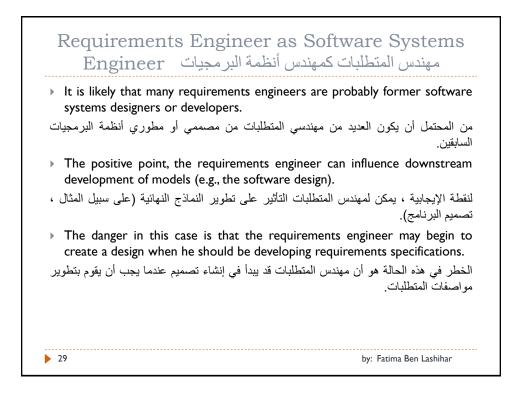


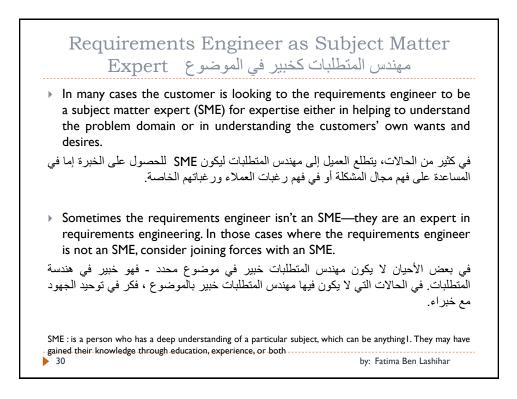












كمهندس معماري	مهندس المتطلبات د
Home Building	Software/System Building
Architect meets with and interviews clients. Tours property. Takes notes and pictures.	Requirements engineer meets with customers and uses interviews and other elicitation techniques.
المهندس المعماري يلثقي مع العملاء ويجرون مقابلات معهم. جولات عقارية. يدون الملاحظات والصور.	مهندس المتطلبات يجتمع مع العملاء ويستخدم المقابلات و تقنيات الاستنباط الأخرى
Architect makes rough sketches (shows to clients, receives feedback).	Requirements engineer makes models of requirements to show to customers (for example, prototypes, draft SRS)
مهندس معماري يصنع الرسومات التقريبية (يعرضها للعملاء ، يتلقى الملاحظات).	مهندس المتطلبات يصنع النماذج من المتطلبات لإظهارها للعملاء (على سبيل المثال ، النماذج الأولية ، مسودة SRS ).

Home Building	Software/System Building
Architect prepares models with additional detail (floor plans).	Requirements engineer uses information determined above to develop complete SRS
مهندس معماري يعد النماذج مع تفاصيل إضافية	يستخدم مهندس المتطلبات المعلومات المحددة
(مخططات الطوابق)	أعلاه إلى تطوير SRS كاملة
Future models (for example,	Future models (for example, software
construction drawings) are for	design documents) are for developers'
contractors' use.	use.
النماذج المستقبلية (على سبيل المثال ، رسومات	النماذج المستقبلية (على سبيل المثال ، البرامج
البناء) هي لاستخدام المقاولين.	وثائق التصميم) هي لاستخدام المطورين.

