Module 2: Business Requirements
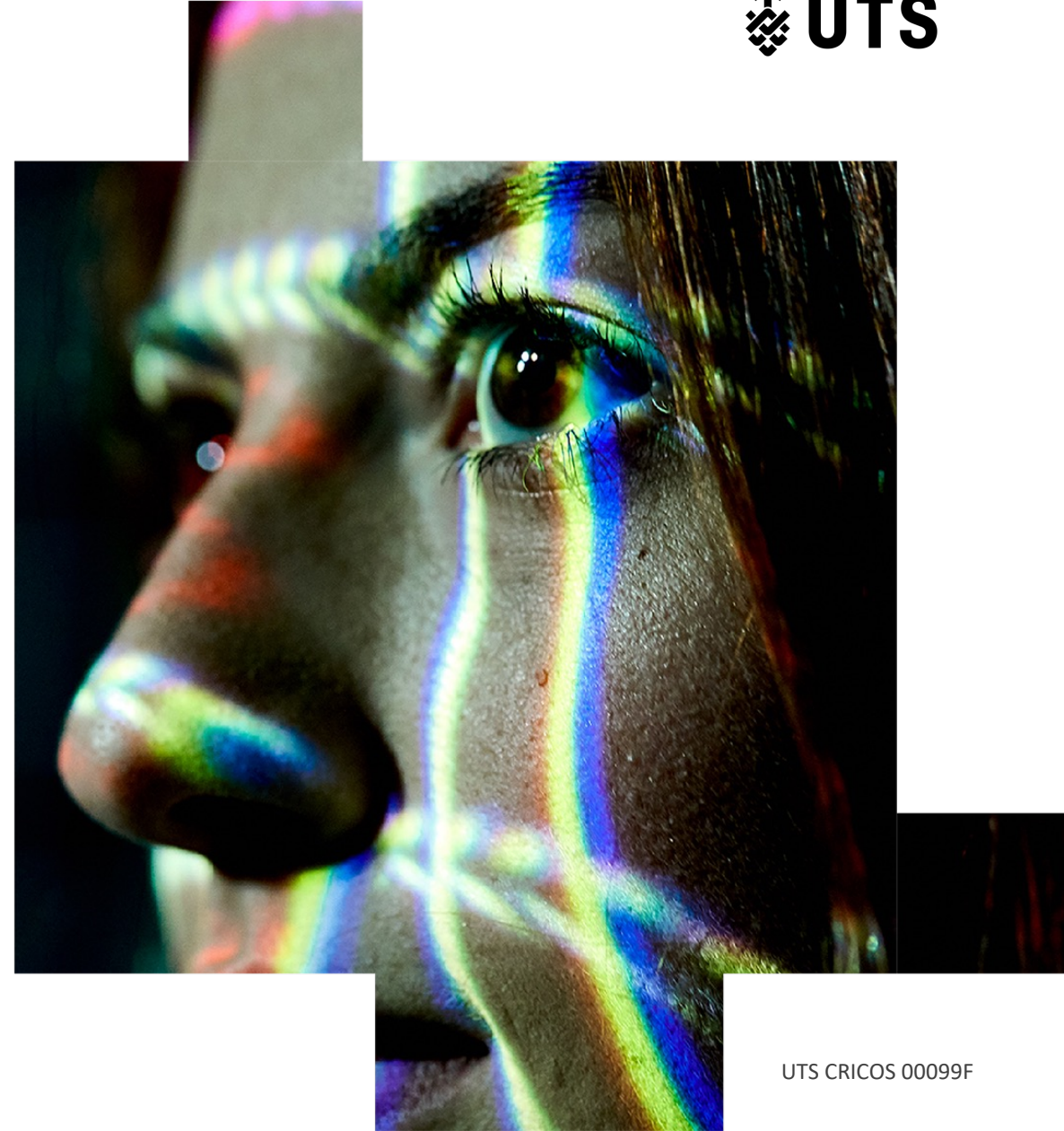
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More on:

- Stakeholders
- Requirements

Business Requirements

- Key concepts
- Module structure

Module 2: Business Requirements

- Functional and non-functional Requirements
- Requirements Quality
- Key Stakeholders

More on Stakeholders & Requirements

Functional and non-functional Requirements

"What" and "How"

Functional Requirements (**things product/system must do**)

- describe the **behavior** and information that the solution will manage.

- Describe the **capabilities** the system will be able to perform in terms of behaviors or operations—specific information technology application actions or responses.

Non-functional Requirements (**qualities product/system must have**)

- capture **conditions** that do not directly relate to the behavior or functionality of the solution, but rather describe **environmental conditions** under which the solution must remain effective or **qualities** that the systems must have.

- They are also known as quality or supplementary requirements. These can include requirements related to **capacity**, **speed**, **safety**, **security**, **availability** and the information architecture and presentation of the user interface. Examples include software **performance** requirements, external **interface** requirements, software design constraints and software quality attributes.

Functional and non-functional Requirements

Examples

Functional Requirements (**things product/system must do**)

- The software system will produce a monthly sales report for a given month.

- The system shall enable hotel guests to book a room online.

Non-functional Requirements (**qualities product/system must have**)

- The software system will produce a monthly sales report for a given month in less than 5 seconds.

- The system shall be able to process 100 payment transactions per second.

- The system will allows secure payments.

Requirements Quality
S.M.A.R.T.

- **S**pecific, Simple
- **M**easureable, Manageable
- **A**ttainable (Achievable, Actionable, Appropriate)
- **R**ealistic (Rationale, Result Oriented, Realistic to deliver)
- **T**ime-bound (Timely, Testable, Traceable)

Stakeholders

Typical stakeholders

- **Users**: Users have an interest in having a product that does their work correctly. They are people who will ultimately be hands on operators of your product.

- **Sponsor**: Sponsor is an owner representative and represents owner's interest. Pays for the development of the product. For e.g., Departmental Manager, Program Manager, etc.

- **Subject Matter Experts**: People who have specialised knowledge of the business subject, individual with in-depth knowledge of a topic relevant to the business need or solution scope.

- **Customer**: The customer buys the product once it is developed. A customer is a stakeholder outside the boundary of a given organization or organizational unit. Know this person well to understand what he/she finds valuable and what appeals to them.

- **Developers/Software Engineers:** Developers are responsible for the construction of software applications. Areas of expertise among developers or software engineers include particular languages or application components.

- **Project Manager:** Project managers are responsible for managing the work required to deliver a solution that meets a business need, and for ensuring that the project's objectives are met while balancing the project constraints, including scope, budget, schedule, resources, quality, risk, and others.

- What is a "business" requirement?
- Module structure

Business Requirements

Business Requirements

A simple definition …

Business requirements, also known as stakeholder requirements specifications (StRS), describe the characteristics of a proposed system *from the viewpoint of the system's end user(s)*

https://en.wikipedia.org/wiki/Business_requirements

Business Requirements Modelling (BRM)

Module 2
Structure

Process		Elicitation		Analysis & Modelling		Specification & Documentation

Modelling Tool	N\A	BPMN	User Stories

BRM	Lecture 2.1 – **Requirements Elicitation** Tutorial 2.1 – **Key Stakeholders**	Lecture 2.2 – **Requirements Analysis & Modelling** Tutorial 2.2 – **Business Process Modelling**	Lecture 2.3 – **Requirements Specification & Documentation** Tutorial 2.3 – **Epics & User Stories**

Thank You!

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