

Requirements Specification & Documentation

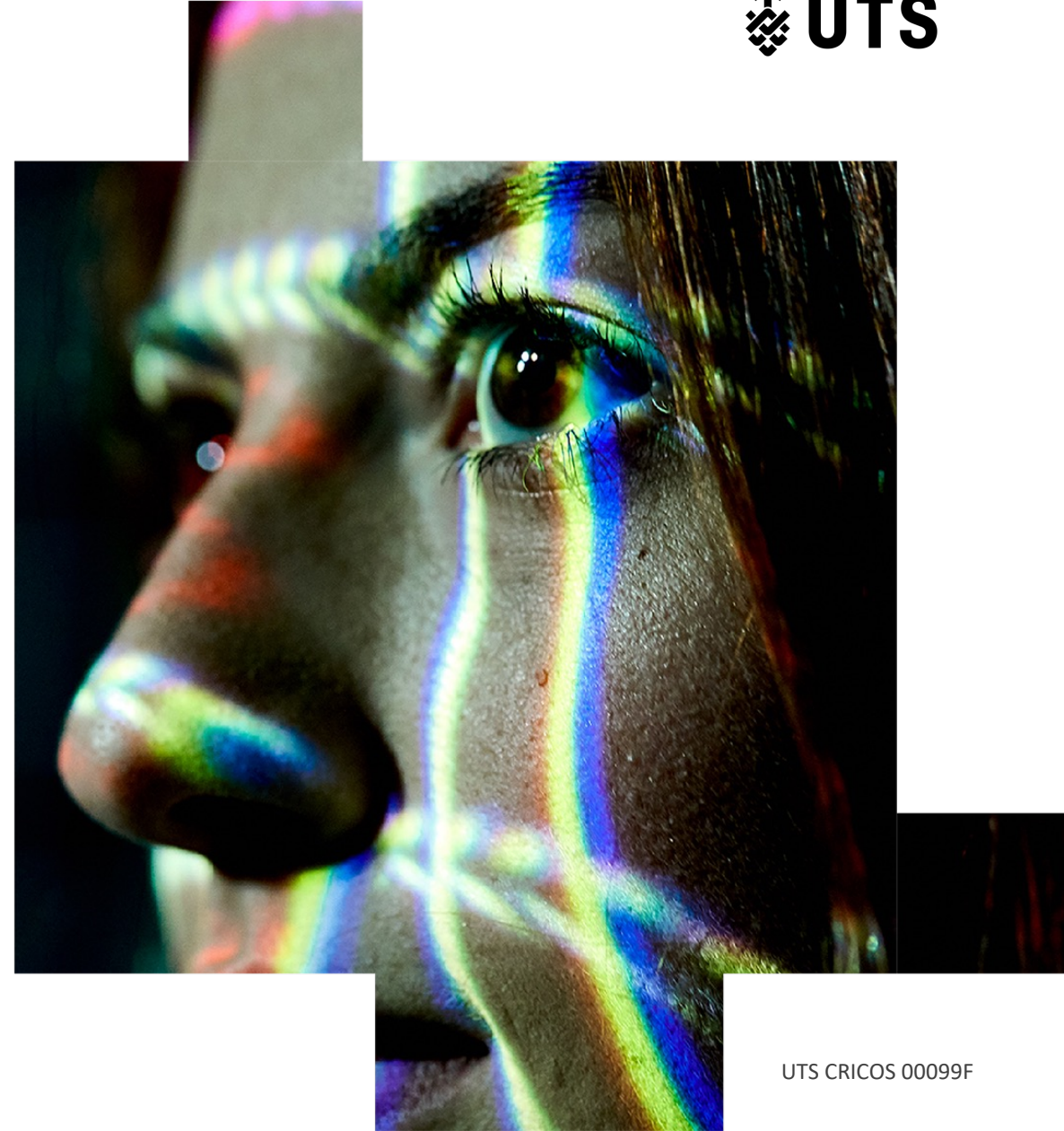
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Module 2 – Lecture 3


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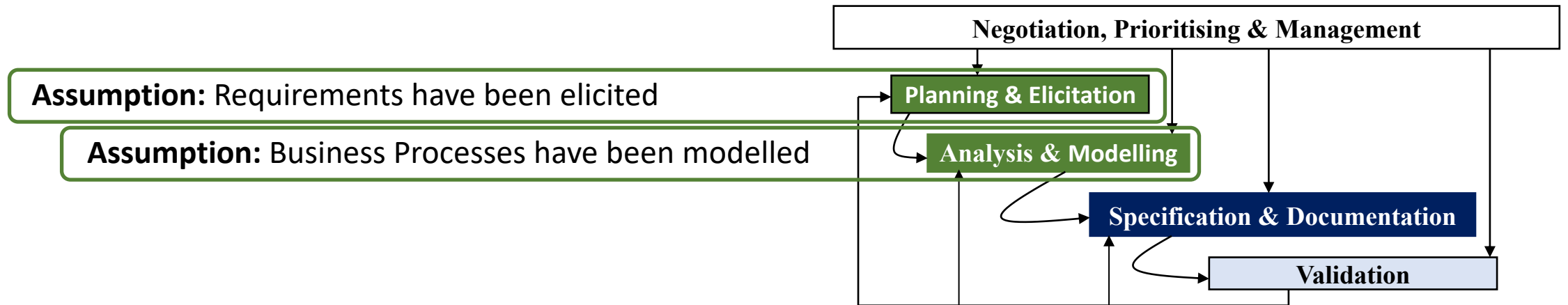


Requirements Specification & Documentation

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Objectives

- We focus on **Requirements Specification**
- We adopt **User Stories**



User Stories & Epics

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User Stories

- **User Stories** are extensively used within AGILE methodologies to express the requirements of the aimed system
- They are commonly used to capture mainly **functional requirements** as they reflect effectively **user demands**

As a **(who)**, I want **(what)** so that **(why)**

Who: normally the user or stakeholder

What: the feature or functionality that users/stakeholders want

Why: the underlying reason for wanting a given feature/functionality

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User Stories

Why User Stories?

- **Stories keep the focus on the user.** They contribute to keep the team focused on solving the actual problems for users.
- **Stories enable collaboration.** With the end goal defined, the team can work together to decide how best to serve the user and meet that goal.
- **Stories drive creative solutions.** Stories encourage the team to think critically and creatively about how to best solve for an end goal.
- **Stories create momentum.** With each passing story, the development team enjoys a small challenge and a small win, driving momentum.

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User Stories

As a **(who)**, I want **(what)** so that **(why)**

As a manager, I want to be able to understand my colleagues progress, so I can better report our success and failures.

It's simple but force us to have a **deep analysis and understanding of the actual requirements**

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User Stories

We normally distinguish between **Epics** and **User Stories**.

They normally have the same format but:

- **User Stories** - small/concise, concrete and with clear assessment criteria
- **Epics** – relatively generic, normally used to express macro-functionalities and to group user stories

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User Stories

Online account management.

Epic #1 (User): As a User, I want to be able to create and manage my online account, so I can safely perform operations in the system.

- **User Story 1.1:** As a User, I want to be able to create an account in the system, so I can access it.
- **User Story 1.2:** As a User, I want to record my personal data as part of my account, so I can automatically use them when needed.
- **User Story 1.3:** As a User, I want to be able to re-set my password, so I can keep my account as safe as possible.
- ...

Epic #2 (...):

Epic #3 (...):

Epic #4 (...):

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User Stories

A smart food warehouse which enables easier monitoring and efficient management, as well as automatic communications with suppliers.

Epic #1 (Manager): As a Manager, I want to have control on the food warehouse so I can optimize its management.

- **User Story 1.1:** As a Manager, I want to be able to check the next order to suppliers, so I can approve it.
- **User Story 1.2:** As a Manager, I want to be able to modify the next order to suppliers, so I can minimize the number of orders.
- ...

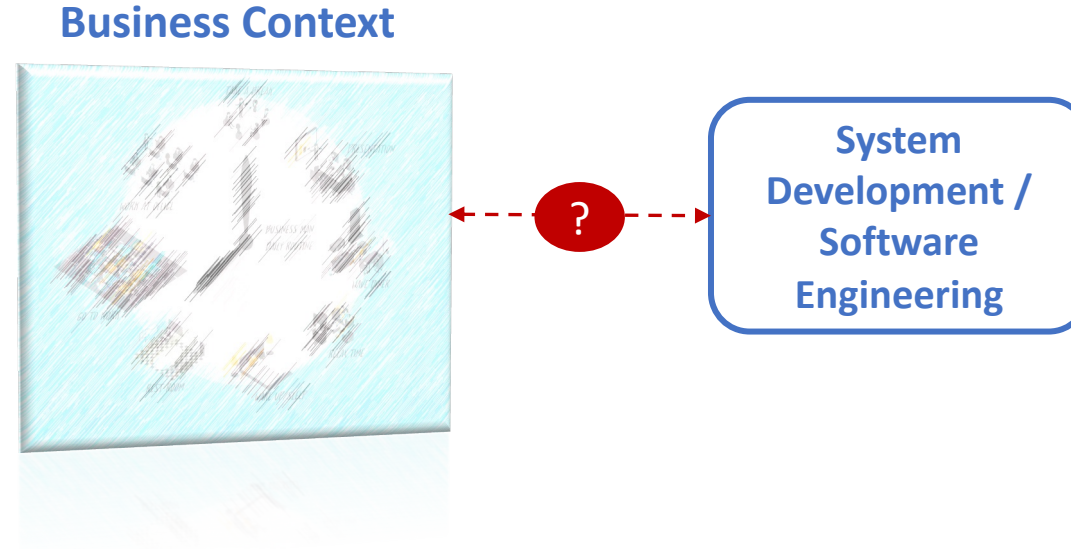
Epic #2 (Manager):

Epic #3 (Employee):

Epic #4 (Supplier):

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Conclusions



- User Stories are an **excellent tool** in the context of Business Analysis
- On one hand, they allow a **simple and effective specification of Business Requirements ...**
- ... on the other side, they are **extensively used within Agile methodologies** for software development

Thank You!