



Kerry Foods – Requirements Engineering

4 Days

COURSE OVERVIEW

Key Topics

1. Introduction (1 hour)

The course would open up with a discussion on what we are trying to achieve when we are in requirements engineering mode. The Kerry Foods development template would be introduced and the areas relevant to the course would be covered. Then we would demonstrate where the course topics would fit into the Kerry Foods development process.

2. The Requirements Engineering Process (30 mins)

This is an introductory session that breaks down the whole process into it's key activities, elicitation of requirements, analysis the results and documenting the requirements.

3. Elicitation

Having covered the main aims of this activity, we the cover the various techniques that can be used to elicit business requirements.

3a. Observation (15 mins)

The advantages and drawbacks of observation are discussed, along with the preparation required to undertake a successful observation exercise.

3b. Questionnaires (10 mins)

When to use questionnaires, the advantages and disadvantages of using them and points to note when designing a questionnaire.

3c. Interviewing (1 day)

This topic is broken down into three main sections, planning, undertaking and follow up.

Planning

Covers the preparation necessary. Who to speak to? When to see them?
What to cover? How to structure the interview.

Undertaking

Dos and Don'ts when undertaking an interview. Asking the right questions, controlling the interview, making notes.

Follow up

Appraising your performance, what to do next.

(Practical work – Preparation work for interview, Undertaking an interview – outline requirements)

4. Analysis (1 day)

Having captured the requirements from the business we need to analyse the results in order to be able to specify what needs to be done. This section discusses the prioritization of the requirements, how to use a checklist to ensure that we have focused requirements and diagramming techniques that can be used to represent the overall need.

(Practical work – Prioritising requirements, Diagramming)

5. Workshops (0.5 day)

This section covers the key elements that must be considered when deciding to undertake a workshop. Preparation, Roles & Responsibilities, Building Agendas

Facilitation Skills, Facilitation Rules, Workshop Documentation.

(Practical work – Preparation work for workshop, Undertaking a workshop – detailed requirements)

6. Documentation (1 day)

Having established what needs to be done, the report needs to be produced. This section covers the main considerations in writing and presenting a technical report.

Preparing the Draft Report (Collection of material, Selection, Logical ordering).

The Presentation and Structure of Reports (Layout, Headings, Language, Style, Presentation). Illustrating Technical Writing (The value of illustrations, Using tables and graphs, Using Colour). Revision (Does it meet it's objectives, Check for the 4 C's)

(Practical work – Producing a requirements specification report)

Case Study

The case study would be based upon a sales order processing requirement within a builders merchants. It can be used to deal with any or all of the following: order processing, invoicing, stock recording.