

1 Requirements - Capturing requirements lab

1.1 Introduction

In order to successfully complete the Capturing Requirements Lab you will need the following documentation:

- E-Commerce Platform Informal System Specification (in Appendix 1)
- E-Commerce Platform User Interface Prototype (in Appendix 2)

You will also need to interview the lecturer, as not all of the functional and non-functional requirements for the system may be apparent from these documents. They do, however, provide a baseline set of information that you can use to design the system.



1.2 Functional requirements - 20 minutes

1.2.1 Procedure

Take the existing project documentation (listed in the Introduction) and extract a set of functional requirements. These functional requirements must be expressed as a set of declarative “shall” statements, as described in the course notes (see Requirements).

You will need to interview the lecturer to find out additional information about the system that is not included in the existing documents. You can delegate one member of your team to ask questions, or take turns. Either way, you should all come along to watch the interview process.

When you approach the lecturer you should have a list of questions already prepared. Your questions should be:

- Specific
- Concise
- Answerable

As the interview continues, you may formulate and ask more questions. This is OK.

The interview is limited to 5 minutes - so you will have to be very focused.

Your team will produce a Software Requirements Specification that captures the functional requirements of the ECP as a set of “shall” statements.

The list of functional requirements shall be divided into sections that group related requirements into cohesive sets. These sections might include “User Interface”, “Payment”, “Orders” etc.

Each requirement shall be given a unique ID number for traceability.

Each functional requirement shall be assigned a priority **M**, **S**, **C** or **W** according to the **MoSCoW** criteria listed in Table 1:

Table 1:

Must Have	Requirements that are fundamental to the system (mandatory).
Should Have	Important requirements that may be omitted.
Could Have	Requirements that are truly optional.
Want to Have	Requirements that can wait for later releases of the system.

1.2.2 Deliverables

Deliverable	Completed
Software Requirements Specification with functional requirements.	



1.3 Non-functional requirements - 20 mins

1.3.1 Procedure

Follow the procedure described in Part 1 to capture the non-functional requirements for the ECP.

Add a section to your Software Requirements Specification for non-functional requirements.

The list of non-functional requirements shall be divided into sections that group related requirements into cohesive sets. Here is a list of commonly used sections:

- Capacity
- Availability
- Performance
- Compliance to Standards
- Security

Each requirement shall be given a unique ID number for traceability.

Each non-functional requirement shall be assigned a priority **M**, **S**, **C** or **W** according to the **MoSCoW** criteria.

1.3.2 Deliverables

Deliverable	Completed
Software Requirements Specification with functional and non-functional requirements.	



1.4 Discussion - 20 mins

1.4.1 Procedure

The lecturer will first ask each team to make some general comments on their experience with this Requirements Document Lab:

- What key learning points did the team discover?
- What went well?
- What went wrong?
- Is there anything they would do differently?

The lecturer will go around the room and ask each team to present the requirements that they have found. Teams may add to their list of requirements as the discussion progresses.