

SRS Sample

# SRS

- 1.3 Definitions, Acronyms, and Abbreviations**

SRS - Software Requirements Specifications

IEEE - Institute of Electrical and Electronic Engineering

- 1.4 Reference**

[1] IEEE 830-1993: IEEE Recommended Practice for Software Requirements Specifications" IEEE Standards Collection, IEEE, 1997.

- 1.5 Overview**

In the following sections of this specification.....will be presented.

In Section 2, the general product and its functions will be introduced.

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In Section 3, all detailed requirements will be specified and grouped.

In Appendix .....

## **2.0 GENERAL DESCRIPTION**

### **2.1 Product Perspective**

This system allows stakeholders to.....

The system will display.....

The system will help .....

The system provides information about ....

### **2.2 Product Functions**

The system provides the following functions:

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- **2.3 User Characteristics**

The users of the system are:

- **Level of Users' Computer Knowledge**
- **Level of Users' Business Knowledge**
- **Frequency of Use**

- **2.4 General Constraints**

The system will support ....

The system will not allow .....

- **2.5 Assumption and Dependencies**

This system relies on .....

The system must have a satisfactory interface and .....

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- **SPECIFIC REQUIREMENTS**

- 3.1 Functional Requirements**

- 3.1.1 Unit Registration**

- The unit registration requirements are concerned with functions regarding unit registration which includes students selecting, adding, dropping, and changing a unit.
- **SRS-001 (3.1.1.1):**
  - The system shall allow the user to register a unit.
- **SRS-002 (3.1.1.2):**
  - System shall allow the user to delete a unit if the user has chosen to drop that unit.
- **SRS-003 (3.1.1.3):**
  - System shall check if a unit has been filled by enough registered students.

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- **SRS-004 (3.1.1.4):**
  - System shall allow the user to add his/her name to the unit waiting list if the user wants to register in a unit which has been filled already with enough registered students.
- **SRS-005 (3.1.1.5):**
  - System shall automatically register the unit for the user who is the first one on the waiting list if a vacancy appears for that unit.
- **SRS-006 (3.1.1.6):**
  - System shall allow the user to change practical session(s) within a unit.
- **SRS-007 (3.1.1.7):**
  - System shall allow the user to change tutorial session(s) within a unit.

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- **3.1.2 Retrieving and Displaying Unit Information**
- The retrieving and displaying requirements are concerned with how information is retrieved and presented to the user.
- **SRS-014 (3.1.2.1):**
- The system shall allow users to enter the following selection criteria to retrieve unit information: by unit code, by unit number, by title of unit, by weight of unit (credit points).
- **OR** by unit code **(3.1.2.1.1)** , by unit number **(3.1.2.1.2)** , by title of unit **(3.1.2.1.3)** , by weight of unit (credit points) **(3.1.2.1.4)**.

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- **3.2 Design Constraints**
- **SRS-031 (3.2.1):**
  - System shall store and retrieve persistent data.
- **SRS-032 (3.2.2):**
  - System shall support PC and/or UNIX platforms.
- **SRS-033 (3.2.3):**
  - System shall be developed using the JAVA programming language



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- **3.3 Non-Functional Requirements**
- **SRS-034 (3.3.1):**
  - System shall respond to any retrieval in less than 5 seconds.
- **SRS-035 (3.3.2):**
  - System shall generate a report within 1 minute.
- **SRS-036 (3.3.3):**
  - System shall allow the user to remotely connect to the system.
- **SRS-041 (3.3.8):**
  - The system will be accompanied by a comprehensive user manual.

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- **3.5.3 Security**

- The security requirements are concerned with security and privacy issues.

**SRS-029:**

- System shall provide staff ID and password verification protection to protect from unauthorised use of the system.

**SRS-030:**

- System shall allow the store manager to add, remove and modify staff ID and passwords as required.