

Software Requirements Specification

Version 1.0

<<Annotated Version>>

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IT engineering site

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1.0. Introduction

1.1. Purpose

The Purpose of this document is to present the detailed description of the IT website and how it works and how site handles visitors and admins.

1.2. Scope of Project

The purpose of this site is to help IT students with finding their grades and lectures, and if there is any changes or delays in their timesheet

1.3. Glossary

1.4. References

<http://it.albaath-univ.edu.sy/>

1.5. Overview of Document

The next chapter, the Overall Description section, of this document gives an overview of the functionality of the site. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.

The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language.

2.0. Overall Description

2.1 System Environment

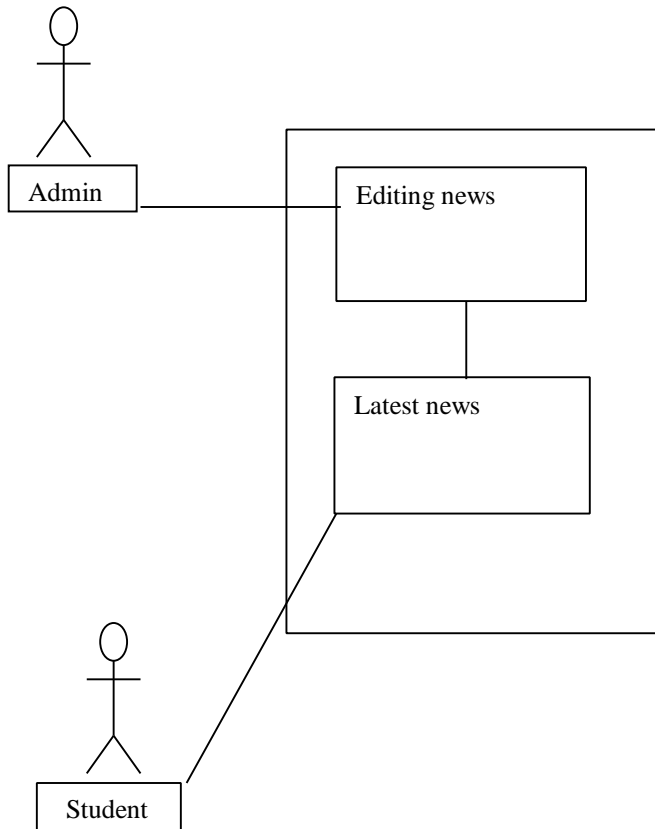


Figure 1

The Web Publishing System has two active actors and one cooperating system. The Admin and students access the site through the Internet. The Admin accesses the entire system directly. There is a link to the (existing) Historical Society.

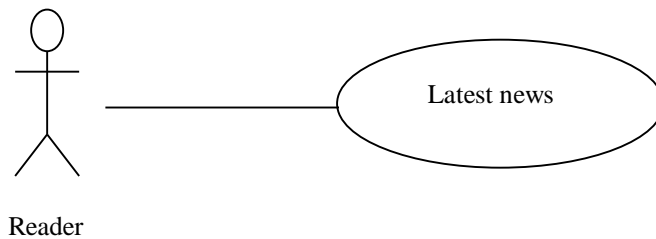
2.2 Functional Requirements Specification

This section outlines the use cases for each of the active students separately, have only one use case apiece while the Admin is main actor in this system.

2.2.1 Student Use Case

Use case latest news

Diagram:



Brief Description

The Student accesses the Website, searches for whatever he needs and downloads it to his/her machine.

Initial Step-By-Step Description

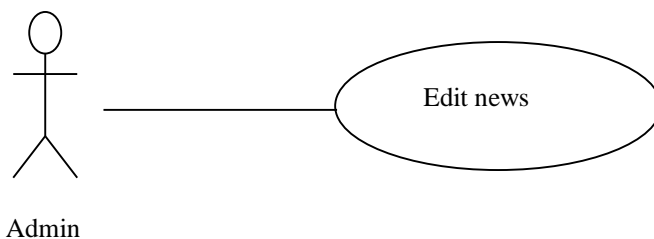
Before this use case can be initiated, the Reader has already accessed the Online Journal Website.

1. The student choose the segment
2. The system presents the segment it needs.
3. The Reader chooses to download or view the segment.
4. The system provides the request.

2.2.2 Admin Use Case

Use case: Submit and edit news.

Diagram:



Brief Description

The Admin either submits an original segment or resubmits an edited segment.

Initial Step-By-Step Description

Before this use case can be initiated, the Admin has already connected to the Website.

1. The Admin chooses the Edit news button.
2. The Admin fills in the Subject line and attaches the files as directed and emails them.
3. The System generates and sends an email acknowledgement.

2.3 *User Characteristics*

The Student is expected to be Internet literate and be able to use a search engine.

The main screen of the Website will have the search function and a link to

“Student Information.”

The Admin are expected to be Internet literate and to be able to use email with attachments.

2.4 *Non-Functional Requirements*

The Website will be on a server with high speed Internet capability. The software developed here assumes the use of a tool such as Tomcat for connection between the

Web pages and the database. The speed of the Reader’s connection will depend on the hardware used rather than characteristics of this system.

3.0. Requirements Specification

3.1 External Interface Requirements

There are not much requirements in this case, only the admin uses the id of every student that enters the site as an indicator

3.2 Functional Requirements

The Logical Structure of the Data is contained in Section 3.3.1.

3.2.1 latest news Article

Use Case Name	Latest news Article
XRef	Section 2.2.1, latest new Article SDD, Section 7.1
Trigger	The student access the website
Precondition	The Web is displayed with grids for searching
Basic Path	1. The student choose the category he wants to open. 2. The site display the chosen category. 3. The student decide withier to view or to download the category
Alternative Paths	
Postcondition	The selected article is downloaded to the student machine.
Exception Paths	The student may abandon the search at any time.
Other	

3.3 Detailed Non-Functional Requirements

3.3.1 Logical Structure of the Data

The logical structure of the data to be stored in the Admin database is given below.

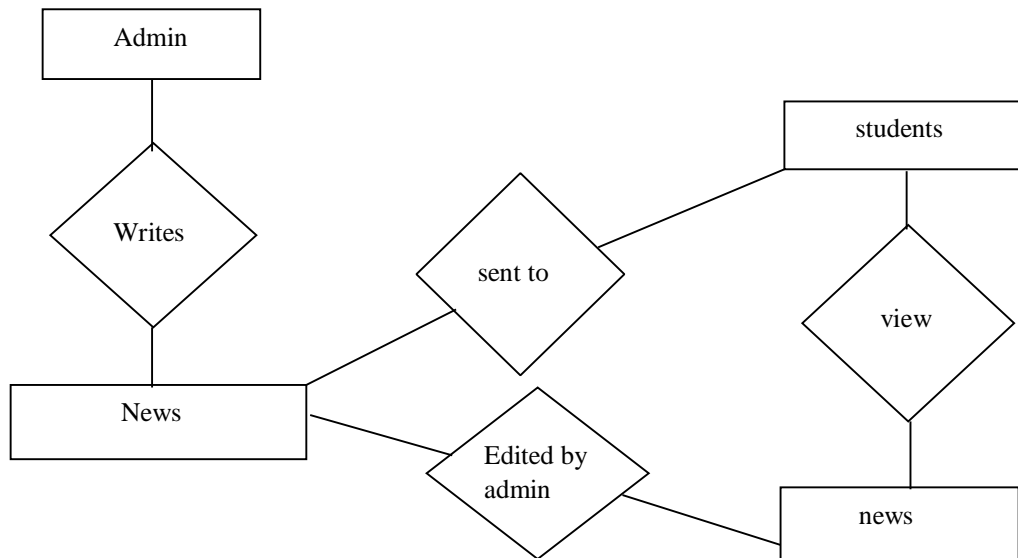


Figure 4 - Logical Structure of the Article Manager Data

The data descriptions of each of these data entities is as follows:

Admin Data Entity

Data Item	Type	Description	Comment
Name	Text	Name of principle author	
Email Address	Text	Internet address	
Article	Pointer	Article entity	May be several

student Data Entity

Data Item	Type	Description	Comment
Name	Text	Name of principle author	
ID	Integer	Has an id	Used as key
Email Address	Text	Internet address	
Article	Pointer	Article entity of	May be several
Num Review	Integer	Review entity	Number of not returned reviews

History	Text	Comments on past performance	
Specialty	Category	Area of expertise	May be several