
Software Requirements Specification

for

UET official website

Version 1.0 approved

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Revision History

Name	Date	Reason For Changes	Version
UET version 1	20/10/2016	The first version	1.0

1. Introduction

1.1 Purpose

This document provides detailed requirements of UET official website.

1.2 Document Conventions

SRS design (Software requirements specification IEEE 830) is applied to this document.

1.3 Intended Audience and Reading Suggestions

Developers, tester, project manager, and users should read this document to understand the detail of the systems.
Overview of the document is at the table of content.

1.4 References

https://en.wikipedia.org/wiki/Software_requirements_specification
www.csse.monash.edu.au/~sitar/CSE4002/Lectures/srs_template-1.doc

2. Overall Description

2.1 Product Perspective

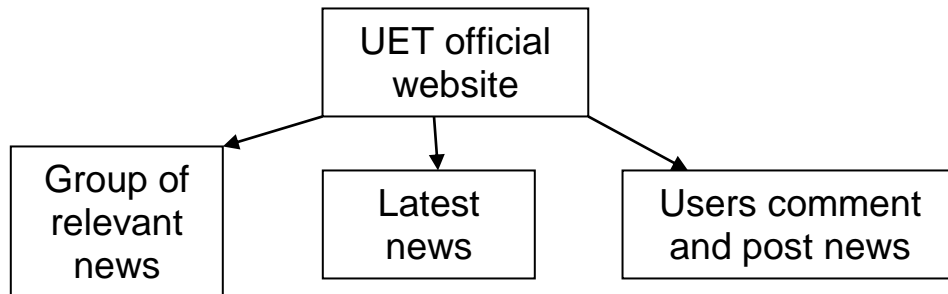
UET official website is a new webapp, and developed by a group of CS students.

2.2 Product Functions

UET official website provides 2 function :

- Show the UET's news in groups of relevant news.
- Read the latest UET's news

- Allow users to comment and may (applied to super users) post news.



2.3 User Classes and Characteristics

Users of UET official website should be :

- ✓ Students, lecturers
- ✓ People who want to update information about UET

2.4 Operating Environment

As a user, UET official website can run on any operating systems having ordinary browsers such as Chrome 21+, Firefox 28+, Safari 9+, Opera 12.1+, IE 11+, etc.

Users with a normal PC satisfy the conditions above can access and use application easily and properly.

2.5 Design and Implementation Constraints

The product is designed in MVC pattern and implemented in waterfall model.

2.6 User Documentation

Users can use UET official website easily right after access the website without any tutorial.

2.7 Assumptions and Dependencies

UET official website runs on dedicated server with small change of collapsing when a large number of user access together or being attacked.

3. External Interface Requirements

3.1 User Interfaces

UET official website's interfaces follow W3C standards (<https://www.w3.org/standards/>) for a Open Web Application

3.2 Hardware Interfaces

There is no interaction between UET official website and hardware components.

3.3 Software Interfaces

UET official website have two components :

- Front-end : HTML5, CSS3 (library Bootstrap), JavaScript (library SlickJS)
- Back-end : PHP (framework Laravel 5.3), MySql 14

3.4 Communications Interfaces

User requests and server's reponse are bases on HTTP

4. System Features

4.1 Group of relevant news

4.1.1 Description and Priority

Show the groups of relevant news clearly

4.1.2 Stimulus/Response Sequences

Server send back user all of the news in a group that is selected by user.

4.1.3 Functional Requirements

REQ-1: A user can choose any groups of news and get all of the news in that group

REQ-2: The latest news in that group will be show at the first

4.2 Latest news

4.1.1 Description and Priority

Show all of the latest news when people access the website

4.1.2 Stimulus/Response Sequences

Server send back all of the latest news when user access the website

4.1.3 Functional Requirements

REQ-1: when a people access the website,all of the latest news will be shown

4.3 Commenting and posting news

4.1.1 Description and Priority

Allow users to comment on each news and the comments will be shown at the end of the news content. Some superusers have right to post news.

4.1.2 Stimulus/Response Sequences

User's comments will be recorded and shown at the end of the news content. Superuser can post news

4.1.3 Functional Requirements

REQ-1: Any user can leave comments at any news

REQ-2: Any superuser can post news

5. Other Nonfunctional Requirements

5.1 Performance Requirements

The system should work with a total of 1000 users and upto 2000 users simultaneously. Any request should be sent back the server in less than 2s. And there is no lag in the interface when user use it.

5.2 Safety Requirements

Ddos and hackers can be harmful to the system

5.3 Security Requirements

Users, superusers do not leave any private information on the comment or post it on the website.

5.4 Software Quality Attributes

Can be reused to and university website. Flexible to change code with addition of features.

5.5 Business Rules

UET univerity is responsible for running, maintaining and handling changes.

User or superusers are responsible for their inappropriate comments or

posts.

themselves, but they may imply certain functional requirements to enforce the rules.>