

Software Requirements Specification

for

Computer Science

Department

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## 

# Introduction

## Purpose

* 1. The purpose of this document is to present a detailed description of the web site of Computer science department. The type of this Web site will Informational and educational.

## Intended Audience and Reading Suggestions

This web site is for Computer Science Department students, it will includes information about Computer Science Department.

## Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| HTML | Hyper Text Markup Language is the standard markup language for creating Web pages |
| CSS | Cascading Style Sheets describes **how HTML elements are to be displayed on screen, paper, or in other media** |
| JS | In computing, JavaScript is a high-level, dynamic, untyped, and interpreted programming language. |
| jQuery | jQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML |
| Bootstrap | Bootstrap is a free and open-source front-end web framework for designing websites and web applications. |
| CS | **Computer science** is the study of the theory, experimentation, and engineering that form the basis for the design and use of computers. |

## Product Scope

The scope of this Web site is about being specified. The goal of site is making easer for students, and for whom, who is interested in Computer Science Department. Here can find information students who is study in CS, students who is in Master degree or Bachelor degree, students who is prospective students and students who graduated .

## References

* HTML https://en.wikipedia.org/wiki/HTML
* CSS https://en.wikipedia.org/wiki/Cascading\_Style\_Sheets
* JavaScript https://en.wikipedia.org/wiki/JavaScript
* jQuery https://en.wikipedia.org/wiki/JQuery
* Bootstrap https://en.wikipedia.org/wiki/Bootstrap\_(front-end\_framework)

# Overall Description

## Product Perspective

This web is site is a substitute for Computer Science Department’s site http://com.iaau.edu.kg/

## Product Functions

* Google analytics
* Full-responsiveness
* Slide
* Fluid-width
* Multi-language

## Operating Environment

* HTML
* CSS
* Bootstrap (Twitter)
* jQuery
* JavaScript

## Design and Implementation Constraints

This Web site will full-responsive, it will adaptive for any browser, and for any mobiles too. It will support multi-language: Russian and English. Here’ll Fluid-width design.

# External Interface Requirements

## Hosting

* Client finds hosting service

## Software Interfaces

|  |  |
| --- | --- |
| Softwares Used | Description |
| Operating System | We have chosen Linux based OS for its freely availability |
| FrontEnd | HTML,Css,Bootstrap,JS – We have used above languages to make website beautiful and responsive |

## Communications Interfaces

* This project supports all types of web browsers.
* This project support HTTP/HTTPS & SMTP protocols.

# System Features

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**4.1 Description and Priority**

The website contains useful information and educational content for IAAU Computer Science students. This project has medium priority, because information that fits to specific university is very important and of course, well structured online available tutorials are improves students knowledge.

**4.2 Stimulus/Response Sequences**

* Search for lecture time tables
* Search for course description, lecturer.
* Make an appointment with Lecturer
* Browse CS related news
* See academic calendar
* Request some documents online
* Send complains anonymously
* Explore FQA and ask a question

**4.3 Functional Requirements**

The functional requirements describe the core functionality of the Web site.

This section includes the data and functional process requirements.

# Other Nonfunctional Requirements

## Performance Requirements

We have used UML Activity diagrams to show different user scenarios/actions.

## Safety Requirements

Because of this Web site will consist of only frontend, and no backend, so no need to safety programs

## Security Requirements

## This section includes controlling who may view and alter Web site data.

## Software Quality Attributes

* AVAILABILITY:  The information should be available all the time.
* CORRECTNESS:  The web pages should react correctly user interaction.
* MAINTAINABILITY: The administrators and moderators should be able to change website content easily.
* USABILITY: The website should satisfy maximum number of student/visitor needs