

ICES4HU	Group 13: Cyberbullies
Vision	Date: 23/03/2023

ICES4HU Vision

1. Introduction

Our aim is to develop an online instructor and course evaluation system for Hacettepe University. The name of our system is ICES4HU. In this system, students can evaluate courses and instructors. This document explains the definition of the problem and requirements of this system.

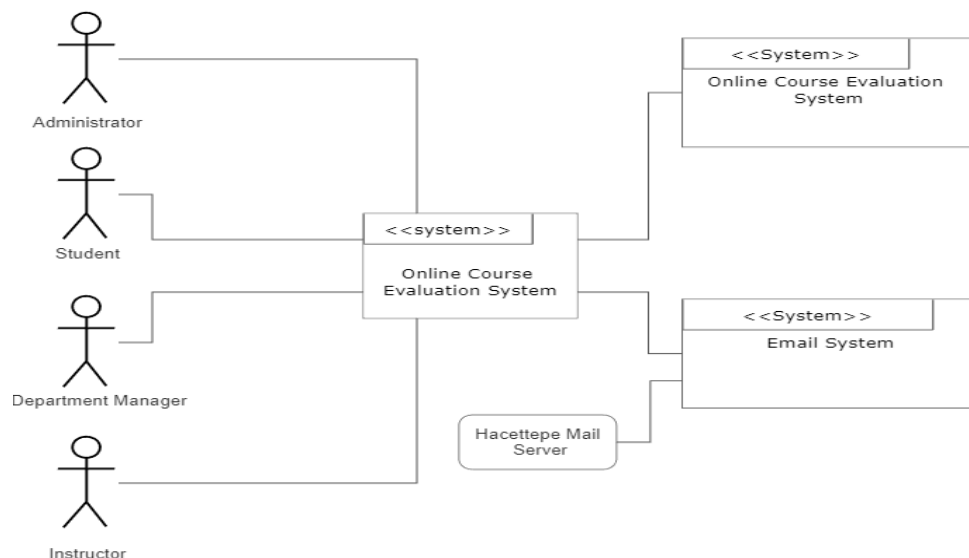
2. Positioning

2.1 Problem Statement

The problem of	<i>lack of interaction between instructors and students.</i>
affects	<i>instructors in Hacettepe University.</i>
the impact of which is	<i>performance of the instructors, content of the courses.</i>
a successful solution would be	<i>a system where students express their requests and evaluations.</i>

2.2 Product Position Statement

For	<i>students in Hacettepe University.</i>
Who	<i>wants to evaluate instructors and courses.</i>
ICES4HU	<i>is an online instructor and course evaluation system</i>
That	<i>provides a platform for students to express their ideas.</i>
Unlike	<i>https://edtech.hostos.cuny.edu/courseevaluationsystem</i>
Our product	<i>will provide evaluation of the courses and instructors anonymously.</i>



ICES4HU	Group 13: Cyberbullies
Vision	Date: 23/03/2023

3. Stakeholder Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Admin	Admin is the person who is responsible for managing and overseeing a system and has full access to every functionalities.	<ul style="list-style-type: none"> - Manage all the accounts - Start the semester and create courses - Manage evaluation forms - Has authority to add , delete , ban users
Student	Students are responsible for enrolling the courses and submit course evaluations.	<ul style="list-style-type: none"> - Manage his/her personal account informations - Enroll the courses - Evaluate the electronic surveys - Able to see his/her Course/Instructors List.
Department Manager	Department Manager is the manager that performs instructor assignment to the courses , re-evaluation process and share resources..	<ul style="list-style-type: none"> - Assign instructors to the courses. - Re-evaluate the survey results - Share resources and training opportunities, news and best practices. - Access each student's individual survey answers.
Instructor	Instructors are the people that can create evaluation forms about the courses they teach and get statistical data about survey results.	<ul style="list-style-type: none"> - Create electronic survey about his/her courses - Has functionalities to create ,update , delete and list of his/her surveys - Obtain statistical data about his/her survey results and download them
Software Project Manager	Software project manager is the person in charge of the planning, scheduling, budgeting, execution, and delivery of the software.	<ul style="list-style-type: none"> - Assembling and leading the project team. - Planning out the blueprints of software projects including scope, resources , deadlines, strategies and tests. - Budget management and cost estimating - Time and risk management - Tracking milestones, deliverables and change requests. - Managing reports and documentations
Software Analyst	Software analyst is the person who analyzes , designs , and evaluates the software product.	<ul style="list-style-type: none"> - Analyze software requirements and design specifications - Collaborating with developers - Define the scope using optimum solution - Developing software design specifications - Software document and test case preparation - Solution verification and implementation support

ICES4HU	Group 13: Cyberbullies
Vision	Date: 23/03/2023

Name	Description	Responsibilities
Software Architect	Software architect is the person who makes high level choices and designs the overall structure of a software system.	<ul style="list-style-type: none"> - Design software based on requirements and constraints -Decide technologies to use and implement the software system - Ensuring quality, scalability and maintainability - Collaborating with developers
Software Configuration Manager	Software configuration manager is the person that systematically manages , organizes and controls the changes in the documents , codes , and other entities during the software development.	<ul style="list-style-type: none"> - Configuration control , audit and reporting - Accommodate changes in user requirement , policy, budget and schedule - Help to develop communication among stakeholders - Control versioning, baselining , build and release procedures.
Software Tester	Software tester is a person who performs evaluating software quality and testing functionalities of the system.	<ul style="list-style-type: none"> - Create and execute tests according to software requirements - Bug and issue reporting about the software system - Create and maintain the test document - Provide input about requirements , product design and potential problems

3.2 User Environment

In general, this project aims to make an online instructor and course evaluation better by providing electronic surveys and other facilities to improve courses and instructors for future use cases.

The project is a web application that will run on desktops with operating systems such as Windows, Linux, MacOS etc. and all web browsers (e.g. Safari, Google Chrome, Firefox). The design will also be responsive so that the system will be compatible on tablets and mobile devices.

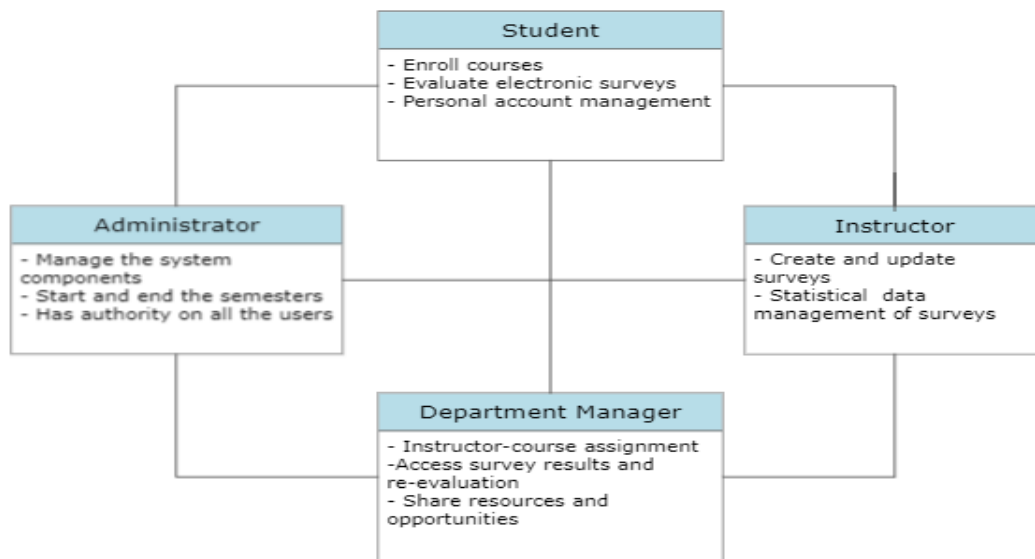
The software system will use third party email service applications and integrate with them.

Since this project is a web application that works online, users should have an Internet connection. All the application processes will be done by the client so that users will not have to contact any other user. In such error cases about courses and evaluations, students can contact the system administrator.

The application cycle is starting with user login and ends with user logout. Until the logout, users can do many operations based on their roles. For example, students can evaluate and submit electronic surveys, enroll the courses while administrators can manage almost the whole system like managing forms, access to all user information etc. Also there are some common operations that all users can do such as managing personal account information, login and logout etc.

On the backend , the project will work continuously integrated with the server.

ICES4HU	Group 13: Cyberbullies
Vision	Date: 23/03/2023



4. Product Overview

4.1 Needs and Features

Need	Priority	Features	Planned Release
Registration to enable all user types to login and take action on the related web pages.	High	Enrollment	2 weeks
The users enter the system.	High	Login	2 weeks
Assign instructors to the related courses.	High	Assigning Instructors	1 week
Creating, answering, updating, saving and submitting the survey.	High	Survey Operations	4 weeks
Make viewable the survey results to the users according to their status.	High	Viewing Results	2 weeks
Add/delete/update personal information of the user such as password and picture.	Medium	User Profile Settings	3 weeks
Get help from the admin to solve some problematic situations in the system.	Medium	Admin Request Panel	1 week
Send notification/confirmation mail about surveys.	Medium	Mail Sending	3 weeks

ICES4HU	Group 13: Cyberbullies
Vision	Date: 23/03/2023

Admin can delete users who are not members of the department anymore, and Admin can ban the users who do not act in the appropriate way.	Low	Valid User	2 weeks
--	-----	------------	---------

5. Other Product Requirements

5.1.1 Applicable Standards

The application will be developed according to the standards of web applications such as MVC.

5.1.2 System Requirements

The application should run on desktop based web browsers like Chrome.

5.1.3 Hardware Requirements

None specified.

5.1.4 Platform Requirements

None specified.

5.1.5 Performance Requirements

The application should be fast and user experience should be smooth to compete with the other applications.

5.1.6 Environmental Requirements

None specified.

5.2 Documentation Requirements

5.2.1 User Manual

The user manual is essential for users to be familiar with the application and use it properly. The User Manual includes:

- Sign up & Login
- All System Features
- User Support Information

5.2.2 Installation

This application is a web based application that can be accessed online. Therefore, there will not be an installation.

5.2.3 Labeling & Packaging

This application is a web based application that can be accessed online. Therefore, there will not be a Labeling & Packaging.

Quality Ranges

- **Availability:** The application should be available at all times.
- **Usability:** The usage of the application should be simple, and match the expectations of users.
- **Constraints:** The application should not need any hardware development or procurement.
- **Maintainability:** The application should be designed and developed in consideration of being easy to maintain.

Requirement	Priority	Planned Release
Select a third-party email-sending system.	Medium	3 weeks
Determine use case steps that students will follow to answer the questions in the survey.	High	3 weeks
Deciding which permissions will be given to the users according to their status in the application.	Medium	2 weeks
Deciding the version of the software tools.	High	1 week