Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

[Teachers' Information and Assessment Website]

CSE 3224

Information System Design

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Software Engineering Lab

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Introduction to Project:

'KnowYourProf' is a review website which allows pupils to assign ratings and provide their valued feedback to teachers. Students who have or are currently taking a particular teacher's course may post a rating and review of any teacher that is already listed on the site. It may help the student to understand how well a teacher teaches the course material and how helpful they are both inside and outside of the classroom.

Project Objectives:

The core objective of the site is to help the students precisely know their professors as well as rate and review them. By this, a professor's overall quality would reflect. The site typically does what students have been doing forever - checking in with each other, their immediate seniors, friends, brothers, sisters to figure out who's a great professor or how a particular professor deals with students and the course materials.

So now, students can comment on and rate their professor and directly gather the necessary information from the site.

Study of the Existing System:

The informative website was strategically designed after a very popular and similar website named ratemyprofessor.com. From the home page of the website, one can adequately explore a distinguished professor's profile only if they are already listed on the system.

The review system on the existing system is very detailed and evident. It is quite possible to get the basic idea about both the course and the teacher just from looking at the reviews and the comments.

One can not only provide feedback but also enlist the Professor and even their School if the system is missing the necessary information. There is a team of Moderators who are in charge of filtering every piece of information that goes onto the site from the user to ensure the integrity of the system.

Users are in total liberty to create an account to access the website on the fullest scale possible. But it does not necessarily require the user to be enlisted in order to rate a professor.

Limitations of the Existing System:

    i.   The system involves a learning curve for the users to fully use the system.

    ii.   The website requires a large amount of data to be processed at a time which requires a steady maintenance system.

    iii.   The system does not incorporate any information that can reduce the gap between a teacher and a pupil.

Goals of the Proposed System:

    i.   The system is designed in a way that is really simple and easy to use for both technical and non-technical people.

    ii.   The user-interface is simple yet eye-catching. One can easily find their way right from the Homepage.

    iii.   The system maintains an orderly way to be connected with a Teacher if the user wants.

Types of Stakeholders of the Proposed System:

The website provides excellent service to two specific kinds of user. They are the following:

    i.   Students/ Guardians/Study Enthusiasts
    ii.   Admin Panel

Functionality Grouping According to the Users:

This particular website may permit two kinds of users. They can faithfully perform the following functions:

The Students/ Guardians/Study Enthusiasts:
- i)   Create individual profile
- ii)   Customize profile
- iii) Provide feedback
- iv)   Request to enlist a particular Teacher
- v)   See the previous responses anytime

The Admins:
- i)   Delete any particular response posted by the user
- ii)   Block any enlisted user
- iii) Enlist the desired Teacher to the system

Requirement Specification:

Introduction:

'KnowYourProf' is a website based on teachers' information and assessment. This project aspires to study and analyze the existing system from various aspects. On the basis of the analysis accomplished, our goal will be to develop a feasible requirement specification which shall support four(4) Functional Requirements and three(3) Non-functional Requirements. This will also cover possible improvements likely to be preferable for current shortcomings.

Functional Requirements:

FR01: Registration

Req. No	Functional Requirements
FR01-01	The system must provide a registration form to anyone who is willing to enlist themselves with four things – Name, Email, Username and Password. The Email and the Username must be unique.
FR01-02	The system must provide a login form to a user with two fields-Username and Password to access their account.
FR01-03	The system shall allow the user to change or modify their information while they are logged in their account.

FR02: Searching

Req. No	Functional Requirements
FR02-01	The system shall allow the user to search exactly what they are looking for.

FR03: Information Listing

Req. No	Functional Requirements
FR03-01	The system shall store all the information as well as any new Information in an orderly fashion for more convenience.

FR04: User Control and Feedback

Req. No	Functional Requirements
FR04-01	The system shall allow the users to provide their feedback on any listed Teacher and request any new information to be added to the system.

Non-Functional Requirement:

NFR01: Performance

Req. No	Functional Requirements
NFR01-01	The system should not be slow when number of users is high

NFR02: Security

Req. No	Functional Requirements
NFR02-01	System must provide access to authorized users only that enter through the login module.
NFR02-02	System must not provide access to ANY user EXCEPT the designated user to update the database.

NFR03: Supportability

Req. No	Functional Requirements
NFR03-01	Post Release bug fixing should not take more than 3-5 hours.

Overall Constraints:
1. A network connection is required
2. Security breach is a possibility

Conclusion:

'KnowYourProf' simply replaces the totally obsolete way of knowing and assessing teachers with the most contemporary one. Its only purpose is to smoothen the way to rate and review teachers. If all the functional requirements can be performed properly, then the users will have a fantastic experience.