Project Report

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Introduction

This project is a part of the course database tech and web based systems. The task is to develop a web based application. In this case this will be done in a group of 3. The program has to in some way do the following:

- Implement CRUD-functionality
- Implement a login
- Store information
- The web page has to present data from the database
- Implement an input field
- The auto generated code needs to be in coherence with W3C recommendations

Project description

At the Interaction and design programme there's a lot of freedom to pick and chose what type of courses you want to study. Some of them are good and some of them might seem interesting but turn out not to be so good. That's why there's a need for a program where you can rate the courses relevant to the programme.

The goal of this project is to create a web application where users can view, create, edit, review course information. The idea is that the webpage should be self maintaining to avoid having the need for a moderator. With that said there needs to be an admin that should be able to remove posts.

When reviewing a webpage, user's should be able to write their thoughts about the course in a short format. They should also be able to recommend or not recommend the course in form of thumbs up or thumbs down. These reviews should be visible to other users.

When creating course information, the user should be able to write a short description about the course as link to the main site for course description.
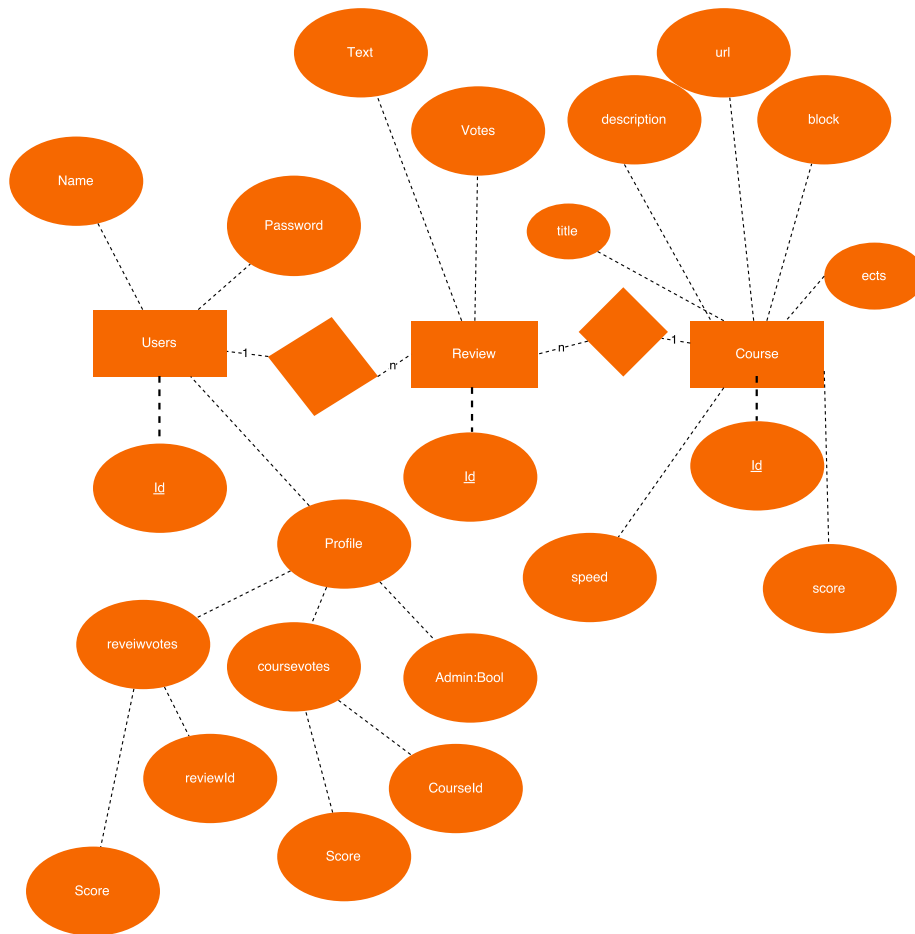
ER-diagram

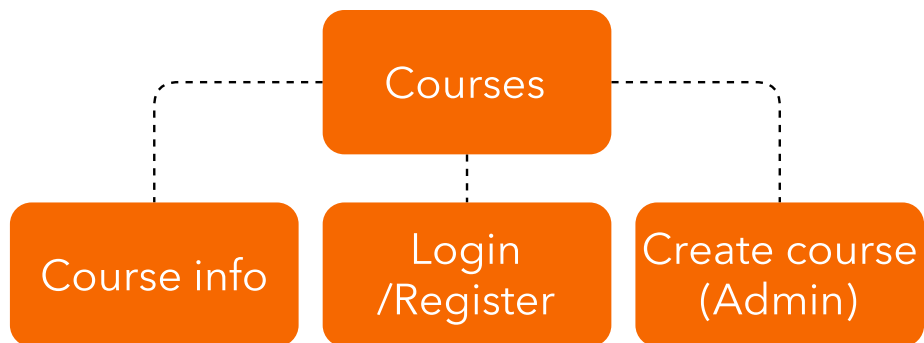Figure 1: ER-diagram

Flow chart of the GUI

Figure 2: Flow Chart

Compilation and usage

To compile the system you require to download and install meteor.[1] Afterwards to compile and run the program you change directory to the project folder and then run the command 'meteor'.

Result and System Description

The result of the project is a web based system capable of having users, admins, courses and comment sections. Each user has the ability to view, rate and comment courses whereas admin is capable of also editing, creating and removing courses and comments.

A course is a database containing a title, study speed, the amount of ects points it yields, url to the main info page, which block during the study year it starts and a description. This database is then linked to a comment database containing the user ID of the poster as well as the comment content.

Adding a course

The admin has the ability to add courses, when doing so, the course info the admin submits is validated both on the front end and the back end. The admin can later also edit this course.

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[1]http://meteor.com/

3

Write a review: [Thisis a comment] [Submit]

comments

Thisis a comment

Written by: test at 2017-03-14T14:08:09+01:00

UP

0

DOWN

[Edit] [Delete]

Figure 3: The comment section

Viewing courses

When entering the webpage, the user is greeted by the main course overview where the user can see the courses and also what score each course has. The way the score system work is that each user can either upvote or downvote a course, meaning it gives it a point or removes a point from the course's score. The user can only give each course one point or remove one point respectively. The user also has the ability to search for specific courses using the search bar.

Division of labor

Everyone in the team are flexible in what they're working in. With that said everyone has a key responsibility of making sure certain things happen. Marc is the project leader and responsible for scheduling, turning in documents and making sure the dynamic in the team is good. Viyan is responsible for the design and has the final say in all design decisions. Isak is responsible for the back end.

Create Course

Course Title:

Prototyputveckling av m

Level:

A

ECTS:

7.5

Speed:

50%

Description:

Example

Webpage:

https://www.umu.se/utb

Period:

Block 1

Submit

Figure 4: The create course view

3D-modellering och siktanalys

7.5   Avancerad nivå   Block 3a   0

OM KURSEN

Kursen behandlar 3D-visualisering av terräng baserat på olika slags höjddata, men även representation av byggda miljöer i 3D; i det senare fallet med CAD som ett viktigt inslag. För området relevanta analysmetoder, såsom olika former av siktanalys för att utvärdera effekter av befintlig och planerad bebyggelse, ingår också i kursens innehåll.

Figure 5: An example of course information