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CS390P

HW #1

September 23, 2018

This homework(HW#1) was about creating an application which keeps the track of courses and sections for a university. For this homework, I used RoR as a server-side framework and SQLit3 for database. While creating an application the technical part was to make a single course to has many sections and the sections belongs to the course (one to many or many to one relation).

while I was creating the application, I used to run in the situation of not differentiating the relations between the course and sections. In other word, what are the primary key’s verses foreign key’s for the course verses sections. Which led me to not able save the sections which I created in the database. Then configuring the model and db migration was another challenge. Over all I was unable to save the sections which I was creating into the db.

In order to fix the errors I used the class presentation and I asked my professor. In side following files I changed the defaults in to the following scenario’s





.../app/models/section.rb

class Section < ApplicationRecord

belongs\_to :course

# belongs\_to :course, :optional => true

end

.../app/models/course.rb

class Course < ApplicationRecord

# has\_many :objects, class\_name: "object", foreign\_key: "reference\_id"

has\_many :sections

end

... /app/views/sections/\_form.html.erb

inside the <div> .... course\_id .... the with following </div>

<div class="field">

<%= form.label :course\_id %>

<%= form.collection\_select :course\_id, Course.all, :id, :name %>

</div>

.../app/views/sections/show.html.erb

<p>

<strong>Course:</strong>

<%= @section.course.name %>#

</p>

what I learning from this homework is how to work with RoR in order to create a web applications which has to deal with the database and the relationship between the tables.