CS/WEB 4000: Dynamic Web Development

Assignment: Ruby on Rails

Requirements

- Create a new Ruby on Rails project for this assignment.
- Create at least two resources. Each resource should have at least three attributes. You may use scaffolding to generate the controllers and views for your resources, if you would like to.
- Add a header/footer to your application by modifying your application layout.
- Add a home page to your application by defining a root route that maps to some controller action.
- Define at least three validations for each of your two models. Use at least two different types of validation.
- Define the necessary associations within two of your models to implement a one-to-many relationship between them. Update the views for both resources such that a user can associate two records, as well as navigate between associated records (in both directions).
- Implement user registration and authentication using Devise. Within your application layout, render sign in and sign up links for signed-out users, and render a personalized welcome message and a sign out link for signed-in users.
- Prevent signed-out users from accessing the routes for at least one of your resources (still using Devise).
- Implement functionality to upload image files for at least one of your resources using CarrierWave. Add a file field to the form for the resource, and display the uploaded image on the show page for the resource.
- Deploy your application to the cloud using Heroku. All of the functionality listed above should work correctly on your deployed application. Follow the first 10 steps listed here.

Resources

- Refer to the Ruby on Rails Guides as needed when completing your assignment.
- For convenience, refer to these common Ruby on Rails command-line commands.

Submission

- Show your completed assignment to the instructor during class or office hours to receive credit.