Homework for April 5, 2013

Store App

1. Complete your store app and commit it to its own repo in Github. The app should:
2. Support Create, Update, Retrieve, Delete for Products (taught thurs)
    1. Support the “on sale” field for Create and Update using a Checkbox, Radio Buttons, or a Select Box. (taught friday)
    2. Use JSON + The twitter API to Include twitter search results for a product. You may have a link on your product detail page that goes to a page that displays search results, or integrate the search results directly onto the product detail page. Make as good of a product page as you can.
    3. Use JSON + The Google Products API to include a picture, description, and link to buy for the product on the product detail page.
    4. The menu should have links for all of the features that the application supports.

    Bonus 2: Add products to your product database from the google search api. Add a new feature that: Lets the user enter a product name in a form that will then be used to create new products in the database based on the product name entered.

    You do not have to submit this application on Schoology, but do commit it on Github.

If you have questions or get stuck, post on schoology! Let's start using Schoology for discussion about challenges related to the homework.

Ruby Methods

1. Write the following 5 Ruby methods and submit them on Schoology:
    1. `convert_to_ordinal`
        - Input: An integer
        - Output: An ordinal representation of that integer
        - Example input: `1`
        - Example output: `"1st"`
    2. `convert_to_phone_number`
        - Input: An integer
        - Output: A phone numbers, including parentheses and dashes and country code (assume US)
        - Example input: `4155552382`
        - Example output: `"+1 (415) 312-2382"`
    3. `convert_to_currency`
        - Input: An interger or float (any numeric)
        - Output: A price in US dollars, with commas, a dollar sign, and two decimal digits (for cents)
        - Example input: `1234`
        - Example output: `"$1,234.00"`
    4. `convert_to_euros`
        - Input: An interger or float (any numeric)
        - Output: A price in Euros, with commas, and two decimal digits. Assume a fixed 0.77 dollar-to-euro exchange rate.
        - Example input: `1234`
        - Example output: `47.26 EUR`
    5. `convert_to_phrase`
        - Input: An array of items
        - Output: A string with the names of the items connected by commas, except for the last, which is connected with the word

'and'. Example input: ["Peanut Butter", "Jelly"] Example output: "Peanut Butter and Jelly"

Write some questions

Instead of drilling on object inspection, I'd like you to write 3-5 questions that you would like to ask about anything we've learned so far. They should be questions that you think we've covered but you aren't clear on. The questions can be anything related to the following areas: Agile Development, Pivotal tracker, Terminal, Sublime Text, Command Line UNIX, Git, Ruby Koans, IRB/Pry, Ruby (Strings, Loops, Conditionals, Functions), Classes & Objects & Inheritance, Blocks & Enumeration, Module & Mixins, Exceptions, Test Driven Development, Databases (SQL, SQLite3), HTML, CSS, Sinatra, Routing, Views & ERB, HTML Forms, JSON, API's, or REST.

We will use these questions to guide review and get them answered for you.

If you have questions or get stuck, post on schoology! Let's start using Schoology for discussion about challenges related to the homework.