Project 3: Django

Due: Week 9 Friday

Project Description

We are going to be creating websites for She Codes News! Hurrah! You are to create a news website that allows users to read news stories, and authors to create them.

Project Requirements

Setup

Starter files are provided for this project. In the first session working on this project, as a class, we will go through those starter files and get everyone's project up and running. Part 1 and Part 2 also have setup steps that we will do as a class. We **strongly** recommend that you refrain from starting Part 1 or Part 2 until after we have completed the setup.

Part 1

Facilitated Feature: Creating a form for adding new stories.

Features to implement:

- Order the stories by date.
- Style the form for adding new stories (investigate "widgets").
- Add a field to the NewsStory model for an image url and use this image url rather than the default images provided in the starter.

Part 2

Facilitated Feature: Creating a Users app.

Features to implement:

- Functional login/logout buttons.
- Account view so authors can see their profile information.
- Create Account functionality, so a new user can sign up to be an author.
- View stories by a particular author.
- Show/Hide the relevant information and buttons based on whether the user is logged in/out (e.g. should only be able to see the button to create a new story if I am logged in).
- Enable/Disable the relevant features based on whether the user is logged in/out (e.g. should only be able to create a new story if I am logged in).

Additional Features

- Add categories to the stories and allow the user to search for stories by category.
- Add the ability to update and delete stories.

Note

- You will use Django to create the website, and no other additional libraries are allowed unless approved by the Lead Mentor.

- Make it your own! The code starter provided is to help you get the structure set up, and so you can look at something a little less ugly than the default ;) By the time you submit this, I would hope that you would have customised it to your taste and to what you think the She Codes News website should look like :)

Submission

Please submit the following:

- A link to the GitHub repository containing the code for your project.
- A screenshot of each page in your completed site.

Appendix

Part 1 Expected Output

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5 Day Overview

     The lowest temperature will be 8.3°C, and will occur on Friday 19 June 2020.

     The highest temperature will be 22.2°C, and will occur on Sunday 21 June 2020.

     The average low this week is 11.7°C.

     The average high this week is 20.1°C.


-------- Friday 19 June 2020 --------

Minimum Temperature: 8.3°C

Maximum Temperature: 17.8°C

Daytime: Sunshine mixing with some clouds

     Chance of rain:  1%

Nighttime: Clear

     Chance of rain:  0%


-------- Saturday 20 June 2020 --------

Minimum Temperature: 10.6°C

Maximum Temperature: 19.4°C

Daytime: Plenty of sunshine

     Chance of rain:  0%

Nighttime: Clear

     Chance of rain:  1%


-------- Sunday 21 June 2020 --------

Minimum Temperature: 14.4°C

Maximum Temperature: 22.2°C

Daytime: Pleasant with sunshine

     Chance of rain:  1%

Nighttime: Mainly clear
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Chance of rain: 1%

-------- Monday 22 June 2020 --------

Minimum Temperature: 14.4°C

Maximum Temperature: 22.2°C

Daytime: Increasing clouds and breezy; periods of rain late in the afternoon

       Chance of rain: 63%

Nighttime: Breezy in the evening with periods of rain; otherwise, clouds breaking

       Chance of rain: 71%

-------- Tuesday 23 June 2020 --------

Minimum Temperature: 10.6°C

Maximum Temperature: 18.9°C

Daytime: A shower; plenty of clouds in the morning, then times of clouds and sun in the afternoon

       Chance of rain: 56%

Nighttime: Partly cloudy with a shower in spots late

       Chance of rain: 46%