**CPAN 212 – Modern Web Technologies**

**Lab 3**

**Task:**

1. **Use Express.js application and React client built in week 5 and week 6 [**[**HarmanSMann/Lab3-starter**](https://github.com/HarmanSMann/Lab3-starter/tree/main)**]**
2. **Create route to get multiple random images from your Express Server.**
   1. **Use the Lodash sampleSize function**
   2. **Limit this to up to 3 images**
3. **Call the newly created get multiple random images from React AND display them in react.**
4. **Add button in React to get random dog image from:** [**https://dog.ceo/api/breeds/image/random**](https://dog.ceo/api/breeds/image/random)
5. **Allow uploading random dog image to Express using submit button, provide a screenshot of the dog image being uploaded.**

**Submission:**

* **Screenshots of results**
  + **Uploading multiple images**
  + **Getting the dog image**
  + **Submitting the dog image into the server**
* **Submit through GitHub**

**Weight: 4% of final grade**

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| --- | --- |
| Rubric | Weightage |
| Express server   * Organized files * Modular structure | 30 |
| React/ Front End application   * This can be in react or another language of your choosing, I want something here * **Add some styling**, use this opportunity to work with the new environment with Vite. Consider modifying/ removing the index.css file and the import of the file in main.jsx | 30 |
| Display multiple images in your front end from the server | 20 |
| Get random dog image in React and upload to Express   * The process: fetch for a random dog image, press the upload button to send it to the server -> screenshots | 20 |
| Total | 100 |

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Note:

I will help you with 60% of the work.