CIS 235 Rich Internet Applications - Winter 2025

Team Project

(For the due date, please refer to this lab’s posting on Canvas)

Welcome to the team project for CIS 235! This project will give you the opportunity to exercise your Vue.js skills by creating a project of your own choosing and design. The goal is to apply what you've learned in a practical, creative way.

Purpose/knowledge/skills: For this project, you’ll have a chance to exercise your vue.js skills to create a project of your own choosing and design.

1. Vue.js project

* Create a Vue.js page of your own design. It’s fine to start with lab files from a previous week or built-in project templates. The work for this project comes in creating content and adapting the existing structures to your needs.
* A list of sample topics is included below. You are welcome to create something else as long as your project meets all requirements.

1. Sample project topics
2. Gallery of pet images – your own, or images found on the internet
3. A news site that allows users to click to different articles without changing the entire web page
4. Redesign one page of the SPSCC website
5. Interactive website for children that uses JavaScript events to reward them using the mouse to explore the page/site. One approach is mouseover events: pictures that wiggle, rockets that launch, etc.
6. An input form for user information to register at a hospital
7. Possible resources for the project

* Royalty-free stock images from <https://www.pexels.com/>
* <https://www.w3schools.com/css/css3_images.asp>
* <https://www.w3schools.com/CSSref/css3_pr_filter.asp>
* <https://www.w3schools.com/css/css3_transitions.asp>
* <https://www.w3schools.com/css/css3_animations.asp>
* <https://vuejs.org/guide/extras/animation.html>

1. Project requirements

Your project must use:

* Vue.js
* Animations and/or transitions
* At least one of the following:

Conditional rendering

Forms and input

Looped rendering (v-for)

Single-file components (SFCs)

1. Steps to complete the task
2. Identify the website you want to make.
3. Sketch out a rough diagram of how you want the site to look and work. This gives you a target to work towards. There is no penalty if the final design does not match your initial work!
4. Code the site together or as a team.

You do not need to cite content sources for this project. Copy and reuse G-rated content freely.

Vue.js code must be your own, or cited if you find non-trivial code online.

* + JSServices
  + PiniaStores

1. Create a short write-up about your project, including:

At least three screenshots

A one- or two-paragraph (total) description of the features of your site

A brief description of how it meets project requirements 1.1, 1.2, and 1.3, about one sentence per item.

A template for the write-up page is provided at the end of this document

1. Capture the project for submission. Create a .ZIP file with:

The source files for your website, including all files needed to launch your project. It’s okay to link to online libraries such as Vue.js. You do not need to capture those locally.

The write-up you created in step 4.

1. Rubric

|  |  |
| --- | --- |
| **Criteria** | **Points** |
| Site works | 20 |
| Use Vue.js | 5 |
| Animations and/or transitions | 5 |
| Additional tech | 10 |
| Project write-up | 20 |
| Creativity and extra effort | 20 |
| Teamwork | +5 bonus points |

1. Write-up

* Team member name(s): Dalten Hansen-White, Ezekiel Torres and Tristin Murray
* Project name: YugiohDeckBuilder
* Screenshot #1: A screenshot of a computer

  AI-generated content may be incorrect.
* Screenshot #2:

A screen shot of a game card

AI-generated content may be incorrect.

* Screenshot #3:

A screenshot of a game

AI-generated content may be incorrect.

* Briefly describe your site and its major features. This should be about one paragraph.

Our site is capable of containing multiple card objects. These cards may be compared to each other in a simple format and then have public descriptions attached to them.

* Briefly, how does your site meet requirements? This should be about one sentence per item.
  1. Vue.js:

Our site would not function without Vue. It allows us to call elements dynamically.

* 1. Animations and/or transitions:

Our views transition from one page to the other organically and seamlessly.

* 1. At least one of the following: conditional rendering, forms and input, looped rendering (v-for), single-file components (SFCs):

Our project uses all of the above in various points, such as a v-for list for rendering comments and projecting cards in a list, or forms for receiving inputs.

Nontrivial code retooled from Vuemastery.com

      (services page running on axios, store system running on pinia)

May Require run of *NPM install* in addition to *NPM Run dev*