

CSS 496 Capstone Portfolio.

**Prepared for: Business Major Students.
Influenced by expert: Aziz Azhaan- Full Stack React Developer.
Created by: Faizan Dhankwala
Date: 12/7/2024**

Part 1 – Capstone Reflection of Learning

Purpose:

As a computer science major, I am aware of how critical a personal portfolio can be for students. In the competitive market we see today, a personal portfolio can be a sole factor in determining if you are able to get hired or not. However, I realized that computer science students are not the only students that need a polished portfolio. As I dove into other majors, I soon realized how many business majors had little to no resources to showcase their own skills on a platform. Unlike computer science students, who frequently receive guidance on building GitHub repositories, personal websites, and other portfolio tools, business students often rely on resumes or LinkedIn profiles alone. While these formats are helpful, they lack the dynamic and personalized touch of a custom portfolio. Business majors have a wealth of skills, including data analysis, marketing strategies, financial modeling, and leadership experience, yet they lack a structured platform to visually and interactively highlight these capabilities. The absence of specific tool for business students reflects a broader challenge: most portfolio-building tools are created with technical or creative fields in mind, leaving many other disciplines underserved. For example, art students may use platforms like Behance or Dribbble, and developers rely on GitHub and personal websites. But business majors do not have a portfolio builder catered towards them.

Development

Because of this issue, I decided to create- Crea8folio, a portfolio builder for business students. This portfolio platform would not only empower students to take control of their professional brand but also level the playing field for students in non-technical fields who face challenges in differentiating themselves in a crowded job market. By offering resources, templates, and intuitive customization, Crea8folio could help each student tell their story effectively, regardless of their experience. Crea8folio's purpose is to serve as a no-code website portfolio builder tailored specifically for business students who need an efficient way to showcase their findings, projects, and accomplishments in a professional and visually appealing manner. This application is designed to lessen the technical barriers of web development and design, empowering business students to create functional portfolios without requiring any coding expertise. Crea8Folio enables users to present their work through dynamic content sections, such as project showcases, testimonials, and interactive case studies, while offering a variety of pre-designed templates that can be fully customized to reflect their personal or professional brand.

Key elements Learned.

This project for me has been an insane learning experience. From mastering a website building framework to digging around React's backend library, This project has helped me grow in my react development. When it comes to the features of Crea8Folio and its intuitive drag-and-drop interface- this element basically taught me calculus 2 all over again. With complicated math equations and code that allowed layering, it was a real killer. However, I was able to use Grape.js existing functions and implantation with this.

Something this project forced me to do that I did not do before was research. The amount of sheer research and asking copilot and full stack questions is something that was new to me. Normally, I just code and find errors along the way. However, in this project, I did not even know where to start. This slowed down my development process by a great amount. I had to learn many frameworks and api calls

just to make one element. Now times that element by 20. The needed framework for a text editor vs an image upload was different.

Takeaways:

Overall, I had a fun time working on cre8folio, even though there were moments when certain tasks felt downright impossible. This project pushed me to think critically and creatively, often forcing me out of my comfort zone to navigate around challenges. Instead of getting stuck on obstacles, I learned how to find innovative loopholes and design alternative solutions that still achieved the intended goals. Each problem became an opportunity to learn, adapt, and grow. One of the most rewarding aspects of building cre8folio was realizing the impact this tool could have. It wasn't just about writing code or implementing features; it was about creating a platform that could genuinely empower students across disciplines to showcase their skills, projects, and personal brand. This vision kept me motivated through the toughest hurdles, whether it was debugging unexpected issues, refining the user experience, or balancing aesthetic appeal with functionality.

Part II – Status Reports & Reflection of Learning

Reflection

If I were to start all over on this project, one thing I would do differently is begin with more in-depth research about my chosen topic. When I first started on creating the app, I wanted to start straight into coding. This led me to start building a web application before fully realizing that I wanted **Crea8folio** to be a desktop app instead. The resources I had initially relied on, such as books and articles about React and Local Host, quickly became less relevant. This shift in direction taught me the importance of thorough upfront research and planning.

Transition to a Desktop Application

Once I decided to transition **Crea8folio** into a desktop application, I had dived into researching tools that could make the transition smoother. I learned how to integrate React with Electron, which opened the door to building a cross-platform desktop app. Along the way, I revisited **GrapeJS** to simplify styling and component integration. As the project evolved, I shifted to a block coding approach, allowing users to drag and drop template-style blocks into the UI editor.

To enhance functionality, I added features such as:

- Viewing the generated HTML and CSS code after building a website.
- An export function to zip files for easy sharing and deployment.
- Spectate mode and full-screen options for a more interactive and immersive experience.

Laying the Foundations

I invested considerable time into the foundational aspects of this project. Knowing this was a complex project that would definitely take a lot of time, I prioritized tackling the challenging parts early. Breaking down the hard tasks first allowed me to execute the final design efficiently and focus on creating a polished product.

I began by sketching out two variations of **Crea8folio**: a web-based version and a desktop app version. Initially, I completed around 10% of the web version before deciding to fully commit to the app version due to time constraints. While transitioning, I spent hours diving into the **GrapeJS** backend library to customize it to my specific needs and standards. This was the most painful part of the project.

Achievements and Current Progress

After a significant amount of time, I reached a point where I was satisfied with the overall functionality and performance of **Crea8folio**. The block-style editor, combined with its export capabilities and user-friendly interface, exceeded my initial expectations. Despite this progress, I remain committed to refining the project. At present, I am focused on addressing bug fixes and improving performance to ensure a seamless user experience.

Looking Ahead

Reflecting on this journey, I'm proud of how far Crea8folio has come and the potential it holds for the future. This project has taught me valuable lessons about adaptability, perseverance, and the

importance of laying a solid foundation. I really want to continue developing it and making it more accessible to everyone.

Individual Weekly Report for Faizan Dhankwala

Crea8folio 10/6/2024

Accomplishments

- Found several website frameworks
- Figured out craft.js and grape.js work on react

Weekly Activities

Activity / Task / Work	Hours	Status
Created an initial React Blank page and integrate it with VITE and Tailwind	3	Complete
Tried to create a button drag down	3	Complete
Tried to add photos	2	In-Progress
Tried to add more components such as more buttons and basically just playing around with the frameworks	7	Complete
Wanted to find out more functionality- looked into Reka.js	1	Complete
Drew up initial framework idea	1	Complete
Tried to create initial website	2	Cancelled
Research	1	Complete
Research	0.5	Complete
Research	1	Complete
Weekly Total	19.5	
Previous Weekly Cumulative Total (Carry Over)		
Current Cumulative Total	19.5	

Note Weekly Total and Cumulative Total fields are formulas. You will need to select and “Update Field” to update values.

Plans for Next Week

Activity / Task / Work	Est Hours
Get an initial website up and running	5
Add some website building tools and follow my diagram that I drew	5
Add buttons and big Divs that split up the work	3
Have a decent looking UI by the end of the week with working divs at least	5

Response to Feedback

- How will you make it professional? I know my website is kind of like Wix or SquareSpace but I want it to be solely professional. How would I do that? Well the look of the website will be nice and professional and I will advertise it as such.
- Great idea, but no time to implement it given the difficulty of putting javascript functionality into buttons. Yes I know, it is difficult to the point where very few people have done so. My hope is that I can figure it out with Rekkas, but in the very least, I will have the drag and drop part done.

I have yet to meet with an instructor or librarian to receive more feedback.

Other Reflections

Honestly have been researching so much, have not really made the initial website. Just have a few frameworks to work off of. Should not be too hard, but I want to build a strong foundation instead of just coding everything.

Comments, Issues, Notes, Anything Else?

With my current skillset, will probably not get good functionality in the javascript portion or even implement machine learning, but will try.

Individual Weekly Report for Faizan Dhankwala

Crea8Folio 10/12/2024

Accomplishments

- Successfully niched down my idea to business and marketing students by talking to the career center.
- Integrated Craft.js and Grape.js with my website- still working with Reka.js.

Weekly Activities

Activity / Task / Work	Hours	Status
Integrate Craft.js	5	Cancelled
Integrate Grape.js	3	Deferred
Integrate Reka.js	5	In-Progress
Start React Project (code)	4	In-Progress
Make a button UI and code it	1	Complete
Find articles on Craft.js and website portfolios in general	4	Complete
Research Electron	2	Complete
		Choose an item.
		Choose an item.
		Choose an item.
Weekly Total	21	
Previous Weekly Cumulative Total (Carry Over)	19.5	
Current Cumulative Total	40.5	

Plans for Next Week

Activity / Task / Work	Est Hours
Finish Button and start on side bar for react project	5
Integrate Reka.js	6
Finish researching and talk with librarian for more books	4

Response to Feedback

From the show and tell and the instructor, I received that I had to niche it down by asking the career center. I sent an email out and received a reply stating that I should make it around business and marketing students. I also received feedback during the show and tell to make the websites hostable- and not just compile a file of html after done building. From the students side, a lot of my classmates wanted to see my app as a desktop app.

Identify the feedback, who said it, and your response. Your response would be

- c) Desktop App: Great Idea. Was considering it and will probably go through with it if all goes well.
- d) Export code on hostable websites and not a file with HTML/CSS/JavaScript: Yes, I want to do so, I am not sure how to use network hosting systems without domains so I will figure it out.

- e) Add more themes around business students: Sure, if given the time- I can add business/marketing features ONLY for that specific group instead of the basic building tools everyone wants if I get time.
- f) Keep it a website: Probably not going to do so based on feedback.

Other Reflections

Honestly, was a lot more rough than I thought it would be. React is such a fragile framework that needs every file in place.

I learned that Craft.js needs constant updating and will NOT run on older versions. This was extremely annoying- where I had to date back the version for my local host to even run sometimes. Other than that, I learned a lot about these frameworks in general.

Comments, Issues, Notes, Anything Else?

Nothing, All good for now.

Individual Weekly Report for Faizan Dhankwala

Crea8Folio 10/20/2024

Accomplishments

- Created Initial UI
- Made a button feature
- Learned a lot more about React and Electron.

Weekly Activities

Activity / Task / Work	Hours	Status
Integrate craft.js and make a button	6	Complete
Put functionality into a Reka.js project	3	Complete
Cleaned up the overall look	5	Complete
Tried to make an image functionality	7	In-Progress
Researching electron	4	Complete
N/A		Choose an item.
Weekly Total	25	
Previous Weekly Cumulative Total (Carry Over)	19.5	
Current Cumulative Total	44.50	

Plans for Next Week

Activity / Task / Work	Est Hours
Make sections that you can put buttons and stuff in	10
Finish button and right component editing feature	5

Response to Feedback

My feedback was centered around getting the overall functionality and UI of the project done. Right now, I have most of it done, but not all. I have implemented buttons and a left panel feature and a right panel feature- but the buttons do not really work. You can drag them on the UI though.

- g) Make components on left, and editing on right Great idea, implementing it in the next 10 hours- adding things like button background color and size of text.
- h) Make several divs where one can drag and drop their sections. Great Idea! Very difficult, will be done in about 20 hours.

- i) Can you add music and pictures? Yes, good idea- will be implementing it after section adding is complete.
- j) Make it into a desktop app. I have researched this, and turns out I need to complete the entire thing and then make it a desktop app.

Other Reflections

Yes, my goal last time was to at least have a basic UI- something people could look at. Of course its very basic, and needs a lot of improvement- but at least that part is finished.

I learned about a whole lot of new websites- things like cloudanire, and clouflare, where I can store images and svgs- for my icons and project files. This is extremely useful so I don't have to constantly download images.

Comments, Issues, Notes, Anything Else?

I had to resubmit because I left a lot of italics on this page- even if I remember taking them off. I must have been in a hurry that day.

Individual Weekly Report for Faizan Dhankwala

Crea8Folio 10/27/2024

Accomplishments

- Made a decent UI with functional buttons and canvas
- Cleaned Up code and made it object oriented.
- Added CSS functionality to buttons and cards.

Weekly Activities

Activity / Task / Work	Hours	Status
Created Canvas and Divs	5	Complete
Worked on Object Oriented design	6	Complete
Tried to integrate Chat GPT api key.	2	Cancelled
Successfully exported code into JSON format	4	Complete
Added CSS functionality to existing components	4	Choose an item.
Downloaded Electron and researching docs.	1	Complete
N/A		Choose an item.
Weekly Total	22	
Previous Weekly Cumulative Total (Carry Over)	44.5	
Current Cumulative Total	66.5	

Plans for Next Week

Activity / Task / Work	Est Hours
Finish overall “test” design and redesign entire look	10
Use Cloudinary to upload svg’s and icons to make it look professional	3
Use services such as Vergil or Netlify to host.	7
Make templates and a save feature where you can return where you left off	5

Response to Feedback

- k) Make Templates more around business major and chose scope.- Great Idea. I am working on that currently right now. I am implementing bigger drag and drops so it resembles templates in a way.
- l) Export and host on Vergil or other sites.- Great Idea, I am researching vergil and sites such as netlify that offer free hosting.
- m) Integrate AI or something of that sort- Great Idea. However, I learned you have to pay to host any sort of GPT technology so I probably will not be doing that.

Other Reflections

Honestly, I thought I would get done with a lot more this week, especially my idea of moving my project and converting it to an electron app. That was my main goal and I would have liked to even *start* it. However, I think redesign the code and turning it into object oriented programming took up most my time.

Besides the object oriented programming, I learned how to create react elements such as images, videos, gifs, and even things like parallax scrolling- which is something that is common in websites.

Comments, Issues, Notes, Anything Else?

I may not have any “evidence” of work since all I did was not visual- rather back end.

Individual Weekly Report for Faizan Dhankwala

Crea8Folio 11/3/2024

Accomplishments

- Moving entire project to an app.
- Made a lot of default icons and svgs that I will use later in the app.
- Re-wrote the code (took forever) into more object oriented and made it a little cleaner.

Weekly Activities

Activity / Task / Work	Hours	Status
Moving code into electron app	10	In-Progress
Made code more object oriented	3	Complete
Created icons using svg and canva	1	Complete
Rebranded the visual aspect	4	In-Progress
N/A		Choose an item.
Weekly Total	18	
Previous Weekly Cumulative Total (Carry Over)	66.5	
Current Cumulative Total	84.5	

Plans for Next Week

Activity / Task / Work	Est Hours
Keep writing the code for the app.	10+
Make a UI I can at least share for the class	5
Create folders with each image and assign it to a class or a block	6
Research more electron	2

Response to Feedback

So I met with the librarian last week, and she gave me the great idea to make these “Block” sections that may or may not resonate with business majors. The thing is, I’ve been so focused on the technical aspects of creating the app, I keep forgetting to niche it down. The librarian helped me refocus and provided me some sources to help me.

Identify the feedback, who said it, and your response. Your response would be

- Librarian: Make block sections with each having an image attached: Good idea, this is something I actually want to do.
- React Expert: Put multiple folders into others to make the code a lot cleaner and readable. Good idea, I am in the process of doing that right now.

- p) App Development Expert (Friend): Integrate your app with netlify so you can deploy websites to that site. Good idea, will look into this soon.
- q) Mom: Don't burn out. Great idea, I will try.

Other Reflections

Honestly, This week I haven't been able to come up with a visual or a UI since I had to move the app into a different application type. This has made it somewhat frustrating to keep everything consistent and all working. I have done an initial drawing so I am slowly basing my idea of that.

I learned that an electron app is way faster than a localhost site and also comes with a lot more personalization. Of course, I meet with my expert a lot and we talk about what React is capable of so I have learned a lot more about React.

Comments, Issues, Notes, Anything Else?

Will try to get something visual for show and tell on Thursday. Also am resubmitting some assignments I never got a chance to resubmit now because I have been so busy creating this app and dealing with midterms in other classes.

Individual Weekly Report for Faizan Dhankwala

Crea8Folio 11/11/2024

Accomplishments

- Created the initial Electron Base.
- Moved all files and folders to Electron App
- Finished added a bunch of random pictures to my Cloudinary and turning them into svgs.

Weekly Activities

Activity / Task / Work	Hours	Status
Moved all files into electron	6	Complete
Research more about app development with React	4	Complete
Put all random pictures into Cloudinary	2	Complete
Finished Overall design and mockup of app.	1	Complete
Started App Development	7	In-Progress
N/A		Choose an item.
Weekly Total	20	
Previous Weekly Cumulative Total (Carry Over)	84.5	
Current Cumulative Total	104.5	

Plans for Next Week

Activity / Task / Work	Est Hours
Finish the first part of the electron app- making the base and ui initial	10
Add all the pictures from Cloudinary	3
Create block templates	4
Add personalization tools straight from react classes	5

Response to Feedback

I did not receive much feedback from my last Show and Tell but everyone in the class seemed to like my drawing of my design for my project. It was just an overview and so people liked how it was laid out. However, I did receive some feedback from friends and my expert.

- r) Expert: Why don't you add block templates in react? Good idea, implementing it with one jsx file with a lot of block templates that will each have its own picture (editable) appx 5 hours.
- s) Friend: Great, but seems like a dull app- try making the icons more minimal. Good idea, Will be implementing that soon. I just need to figure out how to make icons feel more uniform- appx 2 hours.
- t) Librarian: Try researching into common business themes and you can create your templates off that Great idea, and I've been reading the books that explain the overall structure of business portfolios and have been seeing some of the visual aspects. Aprox: 3 hours.

- u) Make a deploy feature right into app (from me)- not a good idea since I can use a ftp app to upload the zip file into a browser. Aprrox 30 min.

Other Reflections

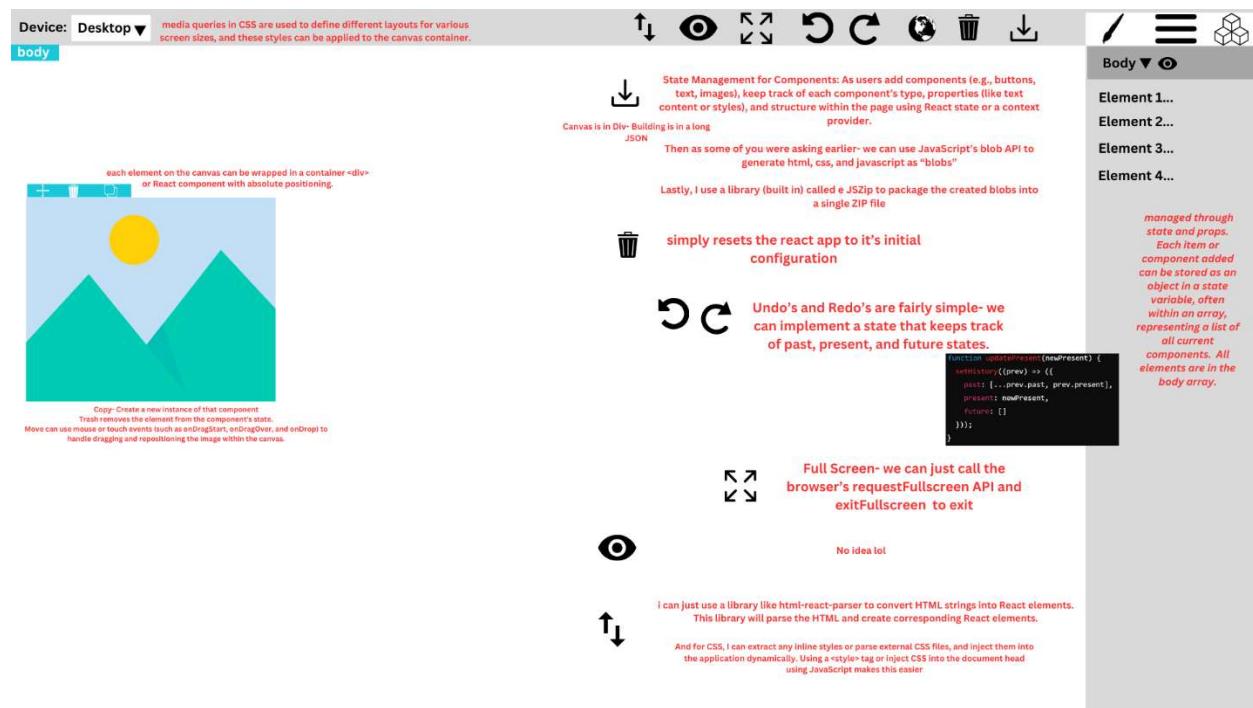
This week's work has really satisfied me in terms of progress as the bulk of the "boring" stuff is now complete. I have all the files imported and organized- now it is just hard coding and many many file creations...

I really love how my expert taught me about block templates and how I can use them to my advantage. I was stuck on how to create templates for my project until they told me I can just use one jsx file and create templates in within them.

Comments, Issues, Notes, Anything Else?

Currently working on my Capstone Portfolio draft as well as this project so my hands are full however- I submitted it on time, but I still need to add evidence and a bibliography etc. So I might update as I go.

Evidence of Work



So this is the initial app design I created in Microsoft Word or something- and it basically laid out a template of what I want my app to look like and the features that it needs to have. By next report, I should have a UI up and running

Individual Weekly Report for Faizan Dhankwala

Crea8Folio 11/17/2024

Accomplishments

- Created the UI and all of its components (templates in block)
- Made header, Blog, and social media usable
- Integrated Grape.JS so elements are easily styled and exported into a zip file
- Made uniform styling for at least the buttons and blog.

Weekly Activities

Activity / Task / Work	Hours	Status
Created The UI and Elements	8	Complete
Integrated Grape.JS with the React Code for easily styling	4	Complete
Styled Buttons and made them clickable	2	In-Progress
Make all elements uniform in design	3	In-Progress
Integrated Zip File and Netlify uploading vid Grape.js	7	Complete
Made icons in Canva	1	Choose an item.
N/A		Choose an item.
Weekly Total	25	
Previous Weekly Cumulative Total (Carry Over)	84.5	
Current Cumulative Total	109.5	

Plans for Next Week

Activity / Task / Work	Est Hours
Finish Editing all the templates and designing	6
Clean up any bugs or code that is buggy	4
Updating Svg's and other picture properties	4

Response to Feedback

I met up with the librarian recently and she gave me a book that showed me the different types of business projects and what graphs/tables they use. I then used this feedback to create a blog and a table for my own project.

I also used the instructor feedback to create a zip to version using a CRM builder inside of grape.js. This way it is easier to upload my files instead of needing a token.

Identify the feedback, who said it, and your response. Your response would be

- v) Make different templates like tables and blogs- Good idea, and I have done it(partially) I just need to style them as they are mainly skeletons right now.
- w) Change everything to the gradient Purple and blue so it fits the logo. Yes I am implementing that right now.
- x) Using Craft and Reka- turns out I've switched back to Grape due to it's authenticity and more features even though it's a bit harder to implement.
- y) Using Netifly for Deployment: turns out its very difficult and you need to pay money so I added the option if anyone has a netifly account.

Other Reflections

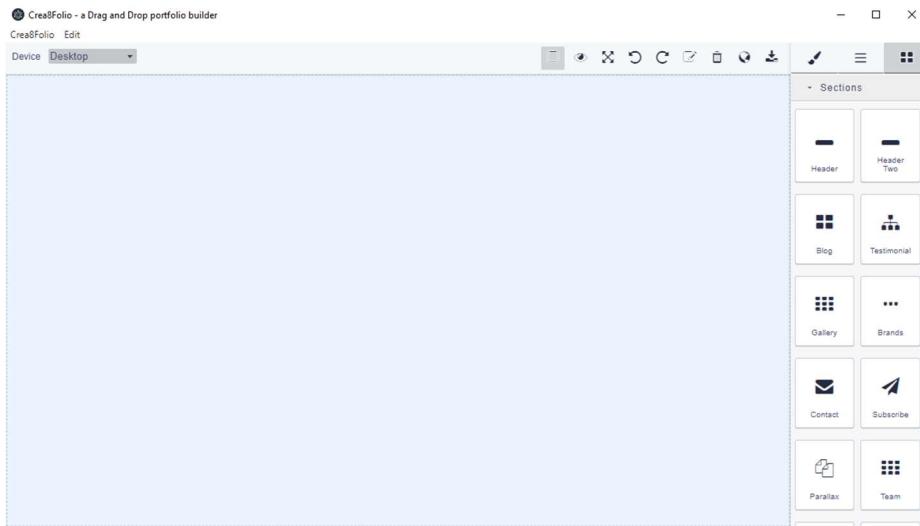
I really enjoyed seeing my work coming together in the last week or so. I went from absolutely no UI to a mostly functional UI in a couple of days. This is because I organized everything before I wrote it down into my code editor.

I learned a lot about Grape.js and other website building frameworks. I also learned how to block code in react and make sections so I can input information as “blocks” Overall, I am glad I got the UI done.

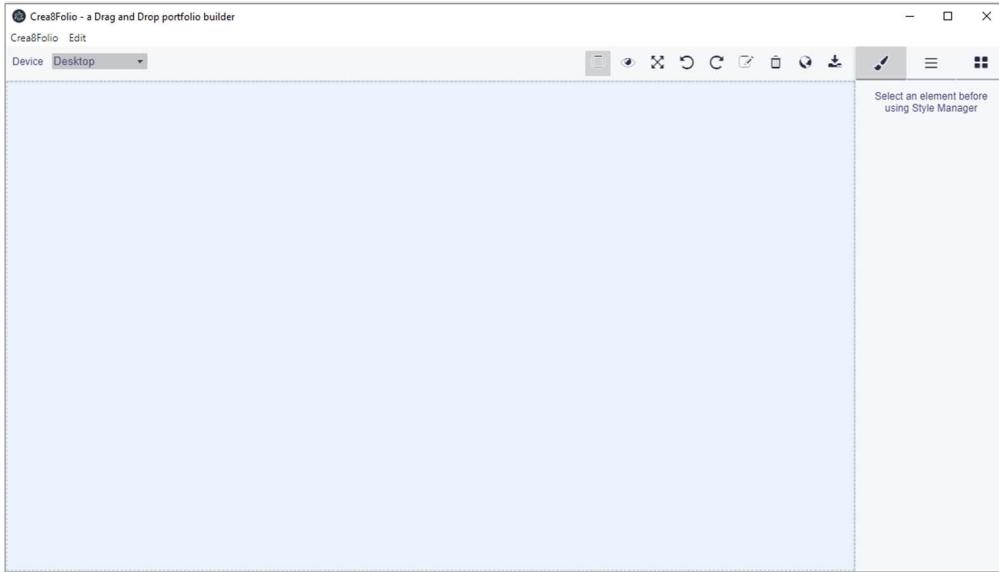
Comments, Issues, Notes, Anything Else?

One day late because I was finishing UI to get evidence of work

Evidence of Work



This is the section page with all the components. As of right now, Header one and Header 2 and blog are complete. Everything else works, but are skeletons.



And this is the style manager, you can edit an element and put variants and classes and link things to it.

This screenshot shows the Crea8Folio website editor. The top navigation bar includes 'Home', 'About', 'Dropdown', 'Disabled', 'Login', and 'New account'. On the left, there's a sidebar with sections for 'Section' and 'Device Desktop'. The main content area displays a live preview of a portfolio page. The preview shows the 'CREA8FOLIO' logo and the tagline 'Professional Portfolio builder for business students'. Below the preview, there's a 'CREATE' button and a 'Whats yours?' image. To the right of the preview is the 'grape.js' style manager, which is a sidebar with various styling options like 'General', 'Display', 'Dimensions', 'Typography', 'Decorations', 'Extra', and 'Flex'.

And this is header one and header2 with the style manager (Built in grape.js) shown.

Part III: Meeting/Interaction

Check-Ins:

I regularly checked in with my instructor and the librarian for any feedback I could attain on both my ideas and the current version of my project. This made it so I was able to tweak my overall scope and what I wanted for *Crea8folio* as I created it. These small interactions also changed how I viewed receiving feedback and made me more open into accepting this feedback as it ultimately guided me and led me to finish the project. I started off with not knowing much about the direction that I wanted to pursue with my project. Regularly conducting these interactions with my instructor and librarian allowed me to begin to start knowing what aspects to focus on and what branches I should build off. I also found some really good courses and books that taught me the fundamentals of React and Node in general which helped guide me in creating my project. These resources not only enhanced my programming skills but also gave me the confidence to face challenges and implement features that aligned with what I wanted for the project. The combination of regular feedback and continuous learning ultimately guided me toward successfully completing Crea8Folio!

Progress:

As I progressed through my project, the process of completing weekly reports became an invaluable tool for organizing my ideas and structuring my plans. These reports required me to break down my broader vision into smaller, manageable sections of work, each with its own clear deadline. This approach helped me maintain a steady pace and ensured that every aspect of the project was carefully thought out and aligned with my timeline. By setting specific goals for each week, I could assess the feasibility of my ideas and make informed decisions about which concepts to pursue further and which to set aside. This process allowed me to refine my focus, ensuring that the ideas I committed to were both impactful and achievable within the project's scope. I also loved the weekly report timelines as it helped me prioritize what needed to be done first and what I could do later.

Takeaways:

As I continued through the project, I noticed a pattern: the more detailed and specific my weekly reports were, the more productive and focused my work became. I found that the reports helped me identify potential roadblocks earlier and gave me a sense of control over the project's direction. They also allowed me to better manage my time, ensuring that I wasn't spending too much time on any one aspect and that I kept moving forward toward the completion of *Crea8folio*. By the end of the project, I was able to look back at the reports and see the entire development process laid out before me. It was rewarding to see how my ideas evolved, how the scope of the project expanded and contracted, and how I overcame challenges along the way.

Meeting Report

Meeting Type <i>(BOLD the meeting phrase)</i>	Instructor / Expert / Stakeholder / Code Review / Librarian
Meeting Date	October 7th
Attendees	Faizan Dhankwala, Mark (Instructor)
Project Title	Meeting with Instructor 1.
Purpose	Figure out what I want with my project.

Summary of Meeting

So I met with the instructor over zoom and talked about my idea and how to go about tackling it. At this stage, I had no code, and no UI. I showed the instructor my initial thoughts and he guided me on what types of applications I can make and told me to niche down my topic.

Action Items

List specific action items that you need to take because of the meeting:

- Niche down my portfolio builder to a specific set of individuals.
- Figure out what platform and what hosting service my website will use.

Reflection

I was happy to meet with the instructor because it helped me dumb down my idea and topic and made it more manageable as well as more unique. I now have an easier topic I can handle instead of something very difficult.

Comments / Issues / Notes / Other

A little late because I have been very busy!!

Meeting Report

Meeting Type <i>(BOLD the meeting phrase)</i>	Instructor / Expert / Stakeholder / Code Review / Librarian
Meeting Date	10/22/2024
Attendees	Faizan Dhankwala, Mark Kochanski
Project Title	Crea8Folio
Purpose	Instructor Meeting 2

Summary of Meeting

I showed the Instructor what I had so far in terms of Crea8Folio's progress and I got decent positive feedback. I also got a lot of advice and new things to consider

Action Items

List specific action items that you need to take because of the meeting:

- Find a web hosting server. I need to research into vergil or UW student's web publishing page if I want to host live servers
- Find a software or app that will publish these web applications to those servers.

Reflection

I showed the Instructor my current way of exporting a website (sketchy way) and he instructed me on a free web hosting service offered by UW. Taking this advice, I plan to research into that publishing site and see if it is worth it for my project.

Comments / Issues / Notes / Other

N/A

Meeting Report

Meeting Type <i>(BOLD the meeting phrase)</i>	Instructor / Expert / Stakeholder / Code Review / Librarian
Meeting Date	10/25/2025
Attendees	Faizan Dhankwala, Je
Project Title	Meeting with Librarian
Purpose	Check in and gather some resources.

Summary of Meeting

I met with the librarian in hopes of getting more information on more types of portfolios and how to create them and what type of visuals they might need.

Action Items

List specific action items that you need to take because of the meeting:

- I need to read the books the librarian offered me as they go over the formatting and idea types of Portfolios.
- I need to structure my program around my designs and the designs offered in these articles

Reflection

I really enjoyed the talk with the librarian as it cleared some of my questions on what types of portfolios and works exist in the world. I did not go into specifics yet especially about business and what types of business portfolios might be existing in the world.

Comments / Issues / Notes / Other

A bit late because I have been extremely busy.

Meeting Report

Meeting Type <i>(BOLD the meeting phrase)</i>	Instructor / Expert / Stakeholder / Code Review / Librarian
Meeting Date	11/19/2024
Attendees	Faizan Dhankwala, Mark (Instructor)
Project Title	Crea8Folio
Purpose	Instructor Meeting Meeting 4.

Summary of Meeting

I met with the instructor and we talked about my current project and I was given mostly good feedback in my UI and due to my progress. I talked about the class and the colloquium and the posters in the class.

Action Items

List specific action items that you need to take because of the meeting:

- I need to implement more templates and maybe easier elements such as file uploads and excel sheets
- I also need to complete my project and all of it's current elements that haven't been programmed yet

Reflection

Basically, I need to finish my project and see if I have any other time to optimize my current version and add file uploads and excel sheets- I will do so. I also need to make the Ui more clean and add more functionality to classes.

Comments / Issues / Notes / Other

Not for now.

Meeting Report

Meeting Type <i>(BOLD the meeting phrase)</i>	Instructor / Expert / Stakeholder / Code Review / Librarian
Meeting Date	12/2/2024
Attendees	Faizan Dhankwala, Professor Mark
Project Title	Crea8Folio.
Purpose	Last Feedback on the state of Crea8folio.

Summary of Meeting

In this last meeting, I just got some general feedback of how crea8folio was going and what I was doing to improve it as well as my professor's final thoughts on my project.

Action Items

List specific action items that you need to take because of the meeting:

- Nothing, I have completed my project. I just need to finish my portfolio and my poster.
- I might want to clean up some of the file uploading functionality.

Reflection

I was very fortunate to have one-on-one meetings with my instructor, which proved to be instrumental in addressing many of my questions and challenges throughout the project. One significant issue I encountered was my difficulty deploying websites onto a live server. This became a major roadblock, as the framework I was using for my project did not natively support live deployment. As I delved deeper into other solutions, I discovered that many hosting platforms required additional fees to acquire a token necessary for publishing on their servers, which posed another layer of complexity. Honestly, here I did not know how to proceed, I brought this concern to my instructor during one of our meetings. He listened carefully to my challenges and introduced me to the University of Washington's publishing site, explaining how I could upload a zipped folder of my project and host it through their resources. He also taught me how to use FileZilla- a free zipping software. This advice was a breakthrough moment for me, as it not only resolved the immediate issue but also expanded my understanding of deployment workflows and alternative hosting solutions. The guidance I received during these meetings not only helped me overcome specific technical hurdles but also reinforced the importance of seeking out expertise and collaborating to navigate unfamiliar territory.

Comments / Issues / Notes / Other

Not for now

Meeting Report

Type <i>(BOLD the meeting phrase)</i>	Expert Report
Interaction Date(s)	10/17/2024
Attendees	1 React Developer and Me.
Project Title	Crea8Folio
Purpose	To see what advice the senior developer could give.

Summary of Interaction

I went to Microsoft Redmond campus and presented my application to a senior developer knowledgeable in React, Java, C, and Node. I let him do an initial test of it and he looked over my react code.

Action Items

List specific action items that you need to take because of the interaction:

- My code is messy (apparently) He cleaned it up by making separate folders and gave me advice on how to apply object oriented to my programming.
- On top of the organization problem, he advised me on how to do pictures, videos, AI (though I need an API key for that), links, different cards etc.

Reflection

Meeting with Expert Reflection I was also very fortunate to have a senior React developer to guide me through the process of certain react aspects that I could not have known otherwise. Before making this project, my knowledge of React was limited. And so, whenever I would implement a component into my project, I would somewhat brute force it into there. My expert was always there to guide me how to clean my code up and make it more efficient!

Meeting Report

Meeting Type <i>(BOLD the meeting phrase)</i>	Instructor / Expert / Stakeholder / Code Review / Librarian
Meeting Date	12/7/2024
Attendees	Faizan Dhankwala, Aziz Azhaan
Project Title	Crea8folio.
Purpose	Provide any last feedback on crea8folio

Summary of Meeting

I met with Aziz to go over my Crea8folio project and get some final feedback before wrapping it up. He told me that overall, the project was looking really good and that the features were solid. However, he mentioned that the file organization could use a bit of work. Some files were a bit scattered, and it would make the project easier to navigate if everything was grouped more logically. We also touched on some small tweaks to make the code a bit cleaner, but overall, he seemed pleased with the progress.

Action Items

List specific action items that you need to take because of the meeting:

- Reorganize the project files for better structure and readability
- Clean up some code and remove unnecessary parts

Reflection

From this meeting, I realized that even when the project is functionally solid, keeping the codebase organized is just as important. It'll make it easier to manage and expand in the future, especially when I bring others in to help or when I revisit the project down the line. I've decided to spend some time making sure everything is well-organized before the final submission and to tidy up the code where necessary.

Stakeholder Report

Type <i>(BOLD the meeting phrase)</i>	Stakeholder Report
Interaction Date(s)	10/26/2024
Attendees	3 Participants
Project Title	Crea8Folio
Purpose	To see if the stakeholders were fond of my project.

Summary of Interaction

I let 2 business majors and a recruiter test out my current version of my app as well as diagrams of the future version. In total, the business majors and the recruiters were initially impressed by the application but wanted to see it accomplish more.

Action Items

List specific action items that you need to take because of the interaction:

- Business majors wanted to see more business major templates or templates in general
- Recruiter wanted to see an image uploading option for stuff like resumes and photos from events.

Reflection

Reflection:

This meeting gave me some good ideas to improve my code and organization in specific. I also ran some usability tests on business students to see if my project could use any features that the user would want in it.

Part IV – Career Preparation & Reflection of Learning Reflection

Career Preparation: Career Center Event 1

I attended the fall 2024 career fair presented by the UW Bothell Career Center and learned lots of things in doing so. Firstly, the main point of this event was how to help students prepare for the job market by engaging them in different sessions concerning career-building strategies, networking, and getting professional advice from experts.

Key Takeaways from the Event

1. Career-Building Strategies

The sessions emphasized the importance of tailoring resumes and cover letters to specific roles. I learned how to highlight key skills relevant to the job description and present accomplishments in a concise, impactful way. I actually was not doing this before so this was a new experience. I also gained insights into leveraging LinkedIn to enhance my professional brand, such as optimizing my profile, engaging in meaningful discussions, and using LinkedIn Learning to further develop technical and soft skills.

2. Networking Best Practices

The career fair really showcased the power of building connections. By interacting with recruiters and professionals, I could deliver effective elevator pitches and ask thoughtful questions about company culture, values, and growth opportunities as well as get their personal LinkedIns. These conversations were invaluable in helping me understand what recruiters look for in candidates and how to stand out in competitive applicant pools.

3. Expert Advice on Professional Growth

Hearing from seasoned professionals provided clarity on how to approach career planning. They shared advice on overcoming challenges such as adapting to rapidly evolving industries and the significance of continuous learning. Their perspectives on aligning personal goals with organizational missions were especially motivating.

Career Preparation: Career Center Event 2

I decided to attend the tech and engineering career fair. In this career fair, one of the most valuable things that I learned from this event is personal branding. During one of the sessions on standing out in the competitive job market, the speaker insisted on how important it is to build a strong and consistent online presence, especially on LinkedIn. This is something I was doing, but not to a high degree. It is equally important to take out some extra time to teach myself in how I present myself online. This is where updating my LinkedIn profile will come into action, keeping in mind being careful with making it highlight not only my technical skills but also my individual strengths and desired career path.

Interview Prep

The second most important insight that I got was from the session on interview preparation. She then shared some real practical advice on how to research companies in great depth before an interview: not just about their products or services but also about their culture and values. I never thought that company culture would go this deep when considering interview preparation, but it makes sense now that aligning your responses to reflect similar values actually does make a big difference.

Additional Notes.

Besides knowledge, I also networked with other students and industry people. I did hear about potential internship opportunities, and advice on how to follow up after the events, which I will now make part of my practice.

Reflection.

All in all, this was a very helpful event indeed because it pointed me in the right direction for this next phase of my career preparation. Now, I am sure about tailoring my resume, being more intentional with my networking, and preparing for interviews with company culture in mind.

Career Preparation: Career Center Event: Complete an Informational Interview:

Name: Aziz Azhan

Occupation: Senior Hiring Manager

Company: Amazon

How I Found Him: LinkedIn

Date: November 20, 2024

Interview Method: Zoom

Duration: 30 minutes

Summary:

During the interview, I asked Aziz about his journey into Amazon, both as a software engineer and a hiring manager. I also inquired about what it takes to get hired at Amazon. Aziz explained his transition from working in India to becoming a software engineer at Amazon. Due to his experience, he was quickly promoted to a senior-level role and later became a hiring manager for software positions.

Aziz shared that hundreds of applications often go unnoticed on his desk every day, which made me feel a bit disheartened, knowing the effort I put into my resumes and cover letters when applying to Amazon. I asked him how candidates can get noticed. He explained that referrals, scouting, and creativity often make the difference.

When I asked him to elaborate on the creativity aspect, Aziz shared stories of people being hired or even interviewed because they submitted creative resumes or video applications. These unique approaches made them stand out from the crowd.

We also discussed the tools and technologies relevant to software engineers. Surprisingly, Aziz mentioned that while LeetCode is nice to have, it isn't essential. He explained that software engineers rarely deal with algorithms in day-to-day tasks and instead focus more on problem-solving, collaboration, and using practical tools.

Reflection:

I found Aziz's insights both eye-opening and humbling. His comment about the overwhelming number of applications that often go unnoticed emphasized the importance of standing out, whether through creative strategies or leveraging referrals. His stories about candidates gaining attention with unique resumes or video applications inspired me to think outside traditional application methods—I'm even working on a video application right now!

Aziz's perspective on LeetCode also surprised me. Having spent significant time practicing algorithm-based problems, I realized that software engineering roles focus more on tools, collaboration, and real-world problem-solving than on theoretical challenges. This has shifted my mindset, encouraging me to balance my technical preparation with practical skills and innovative approaches to career building.

Career Preparation: Complete/Update your Husky Handshake Profile:

Handshake Profile- In this activity, I made sure to update my skills, my current job search, my work experience and what I was looking for. I did not have much of a handshake profile before and so, this activity was very crucial for me as it gave me a personal resume outside of sites like LinkedIn and GitHub.

What I Updated:

I began by thoroughly detailing my skills section, ensuring it accurately represented my technical competencies and soft skills. I included proficiency in programming languages like Java, Python, and SQL, along with tools and platforms such as Git, React, and AWS. Additionally, I highlighted soft skills like problem-solving, teamwork, and adaptability, which are critical in any professional setting.

Next, I updated my **work experience** by adding roles that demonstrated my technical and professional growth. For instance, I included details about internships, academic projects, and any leadership roles I held, providing descriptions of my responsibilities and accomplishments.

Under the **career goals** section, I described what I am looking for in my next role. I emphasized my interest in positions related to software development, program management, and machine learning, showcasing my versatility and passion for continuous learning. I also specified that I am actively seeking a Summer 2025 internship or an entry-level full-time role beginning in June 2025, making it clear to potential employers what I'm aiming for.

Next Steps:

While creating a strong Handshake profile was an important milestone, I know that maintaining it is just as crucial. I plan to:

1. **Regularly update my profile** with new experiences, certifications, and skills.
2. **Engage with the platform** by attending Handshake-hosted events, applying for roles, and connecting with recruiters and alumni from my university.
3. **Leverage employer insights** by researching companies and tailoring my applications to align with their values and requirements. I also should keep applying to new jobs.

Reflection:

This activity was very helpful. It reminded me of the importance of having a professional presence across multiple platforms and the need to tailor my profiles to meet the expectations of potential employers. Handshake has now become a vital part of my job search toolkit, complementing LinkedIn and GitHub by offering a more personalized and targeted approach to connecting with recruiters.

The screenshot shows a Husky Handshake profile for Faizan Dhankwala. At the top, there is a circular profile picture of a man with dark hair and a beard, wearing a suit and tie. To the right of the picture, the name "Faizan Dhankwala" is followed by the pronoun "he/him". Below the name, it says "University of Washington – Seattle/Bothell". Underneath that, it shows "0 followers · 0 following". On the far right, there is a small "Edit" button.

Below this header, there are two tabs: "About" (which is underlined) and "Posts".

The "About" section contains a "Looking for" section with several categories: "Full-time job + 2 more", "Product Manager + 10 more", "Management Consulting + 2 more", and "Seattle, WA + 1 more". There is also a "View all" link.

Below the "About" section is a "Summary" section. It starts with a greeting: "Greetings," followed by a paragraph: "I'm Faizan Dhankwala, a senior at the University of Washington, deeply committed to the pursuit of computer science. Over the past four years, I've been honing my skills in project management, software engineering, and data visualization. I am currently looking for full time roles!"

The "Skills" section lists various technical and soft skills: Java, HTML, Typing, Communication, Microsoft Office, Computer Platforms, and Adobe Photoshop.

Before creating my Husky Handshake profile, I didn't have any presence on Handshake in general. This is why I do not have any before pictures. Without a profile, recruiters couldn't access my background in software engineering, product management, or program management.

I decided to fully build out my profile by adding all relevant education, internships, projects, and skills that align with my career goals. This included showcasing my experience at Meta as a Program Manager, my technical projects such as a chatbot and Java GUI game, and the coursework in computer science and data science that supports my technical foundation. This makes my profile stand out to software engineering companies and recruiters. After completing my profile, it now provides a comprehensive overview of my qualifications and expertise. With detailed sections covering my internships, programming skills, and personal projects, employers can easily see that I'm well-suited for roles in software engineering and product/program management. This update increases my chances of being noticed by recruiters and highlights the skills and experiences that make me a strong candidate. By

clearly communicating my career aspirations and background, I'm better positioned to find the type of work I'm seeking in tech-related roles.

Organizations

+



Walk For Hunger

Seattle, WA

♂

Team Leader

June 2019-June 2019

In an inspiring demonstration of unity and compassion, I had the privilege of joining thousands of like-minded individuals, all with one common purpose - to raise money and awareness to combat hunger and food insecurity. Our collective effort, as we walked hand in hand, embodied the belief that even a single step can make a significant difference in the lives of those less fortunate.

The event began as a powerful call to action, bringing together people from diverse backgrounds, united by a shared commitment to address the pressing issue of hunger. Whether it was participants of all ages, backgrounds, or walks of life, each person brought their unique strengths and stories to the event, creating a rich tapestry of human empathy and kindness.



Volunteering

Redmond, WA

♂

ICAA Refugee Camp Services

April 2021-August 2021

In a heartwarming and impactful initiative, I worked with the ICAA organization embarking on a multi-month program, joining hands with our local mosque to address the pressing needs of refugees and individuals with low incomes in our community. This partnership was born out of a shared commitment to fostering unity, compassion, and collective support, demonstrating the power of collaboration to make a tangible difference in people's lives.

The program kicked off with the aim of providing much-needed assistance to refugees who had recently resettled in our community, often arriving with limited resources and facing daunting challenges. These newcomers had left their home countries in search of safety, and our mission was to help them find a sense of belonging and hope in their new environment.

Projects

+



10+ Machine Learning/Technical Projects

♂

Developer

All my technical projects on one website! These projects consist of HTML/CSS, java, python, and YOLO machine learning projects that I have completed over the summer.

faizandhankwala.com/ ↗

**Panera Bread LLC**

Bellevue, WA

**TEAM LEAD**

October 2021-January 2023

Provided strong leadership and guidance to the restaurant team, setting performance expectations and ensuring that staff members were motivated, trained, and equipped to perform their roles effectively.

Oversaw daily restaurant operations, including food preparation, inventory management, stock, prepping, and quality control, ensuring food safety and customer satisfaction.

**Kaiser Permanente****Program Management Intern**

September 2021-January 2022

Developed and implemented strategic program plans aligned with CancerHood Society's mission and goals.

Communicated with stakeholders (donors, volunteers, healthcare professionals) to establish partnerships and support program initiatives.

Utilized the Waterfall approach to create comprehensive project plans outlining entire programs, including milestones, tasks, and timelines.

Led and encouraged the team/developers, fostering a collaborative environment to propel development.

**The Boeing Company**

Redmond, WA

**Software Engineer**

August 2020-December 2021

- Developed maintained scalable software solutions for aviation systems , and , ensured their compliance with industry standards.
- Designed and implemented flight control software modules for Boeing's 787 Dreamliner and optimizing performance and ensuring compliance with FAA safety standards.
- Developed real-time communication protocols in Java to integrate avionics systems, enabling seamless data exchange systems–between navigation, flight, and engine control

**Kumon North America****TUTOR**

August 2020-April 2021

- Grade student's work.
- Assist with their classwork.
- Work with coworkers to build independence in students and gear them for their future.

Career Preparation: Build Your Professional LinkedIn.

I already had a LinkedIn profile before starting this class, so for this assignment, I chose to just increase my connections to past 500. As of right now, I am sitting at 859 connections.

How I Expanded My Network

1. Engaging with Alumni and Classmates:

I started by connecting with alumni from my university who are now working in industries or roles that align with my career interests. This allowed me to build meaningful relationships and learn from their professional journeys. Additionally, I connected with my current classmates and peers, strengthening my network within my immediate academic circle.

2. Attending Virtual and In-Person Events:

I participated in several career fairs and networking events, both on-campus and virtual. After engaging with recruiters, industry professionals, and speakers, I made it a point to send personalized connection requests on LinkedIn, thanking them for their insights and expressing interest in staying connected.

3. Joining Professional Groups:

I became an active member of LinkedIn groups related to software development, machine learning, and program management. Through these groups, I discovered professionals with similar interests and sent connection requests to individuals whose posts or profiles stood out to me.

4. Sharing Updates and Engaging with Content:

To maintain visibility on the platform, I regularly shared updates about my academic projects,

internships, and certifications. I also engaged with posts from my connections by liking, commenting, or sharing meaningful content. This helped me stay on their radar and encouraged others to connect with me.

Career Preparation: Career Center self-designed, self-paced activity

Overview

As part of the career development assignment, I participated in a self activity focused on tailoring my resume to match the requirements of specific employers. This process is very familiar to me but I have never practiced it myself. I first needed a detailed review of the company's values and job description, followed by strategically updating my resume to highlight the skills and achievements most relevant to the role.

Objectives

My main objective was to better understand how to make my resume stand out, particularly for competitive roles for example Software Engineering. I wanted to improve the alignment of my resume content with certain job descriptions, making it more likely to pass through Applicant Tracking Systems (ATS) and stand out with hiring managers.

Key Takeaways

1. Keyword Optimization: I learned the importance of identifying and incorporating keywords directly from the job description. I got this information from both the videos and online advice.
2. Numbers in Achievements: By adding specific numbers and outcomes to my experience bullet points, I enhanced the impact of my accomplishments, and made it something you could measure instead of a general aspect.

3. Targeted Skills:

I customized my skills and experiences sections allowed me to better emphasize aspects of my background that aligned with the employer's needs, creating a better fit for the job.

Application Plan

Going forward, I'll apply these strategies to most job applications- especially the competitive ones. This will ensure that each version of my resume is optimized for the specific position. I will also make sure to include statistics in each job application so it is clear I did not use AI or general terms to create my resume.

Career Preparation: Mock Interview

Overview of the Experience:

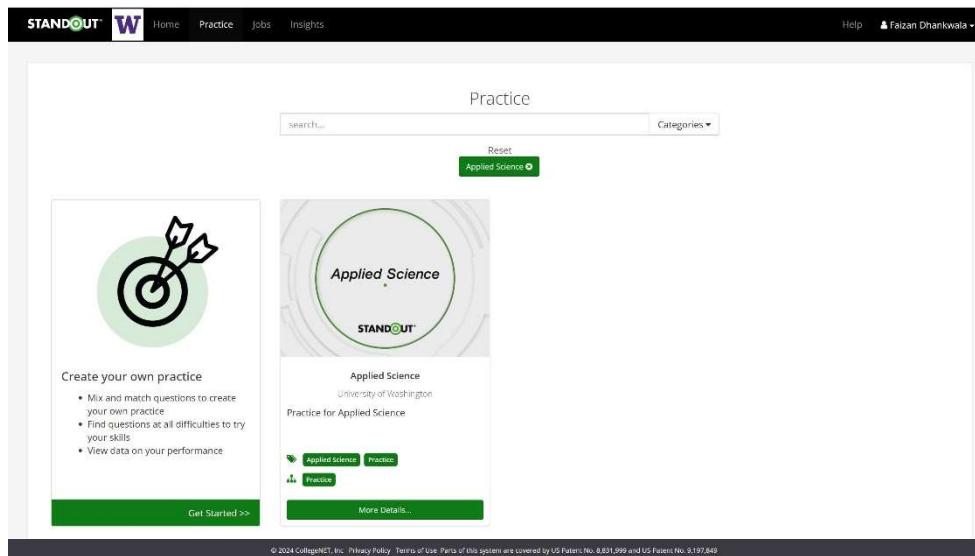
I used the StandOut UW platform to complete a virtual mock interview for the Applied Science field. The experience was both engaging and unexpectedly challenging. After logging in, I explored the platform's interface. I tried to find a software engineering or something computer related interview but they didn't offer it. So I decided to choose the Applied Science option and practiced interview questions tailored to those role.

Takeaways:

Participating in the mock interview felt strange at first, especially knowing it wasn't a real interview. However, the emotions of a genuine interview—nerves, self-awareness, and the stuttering kicked in. Speaking directly to the camera without real-time feedback added an extra layer of awkwardness, but it was a valuable opportunity to practice. I kind of felt like it felt worse than real interviews- because at least in real interviews, I know I cannot mess up so I try to play everything off as intended. In this interview, every time I messed up- it just felt weird because I wasn't even trying to correct myself.

Reflection on the Process:

This interview gave me some space to practice handling common questions and refine my delivery for a real interview. While it felt surreal, the experience taught me the importance of staying composed and treating every interaction—real or simulated—with seriousness!

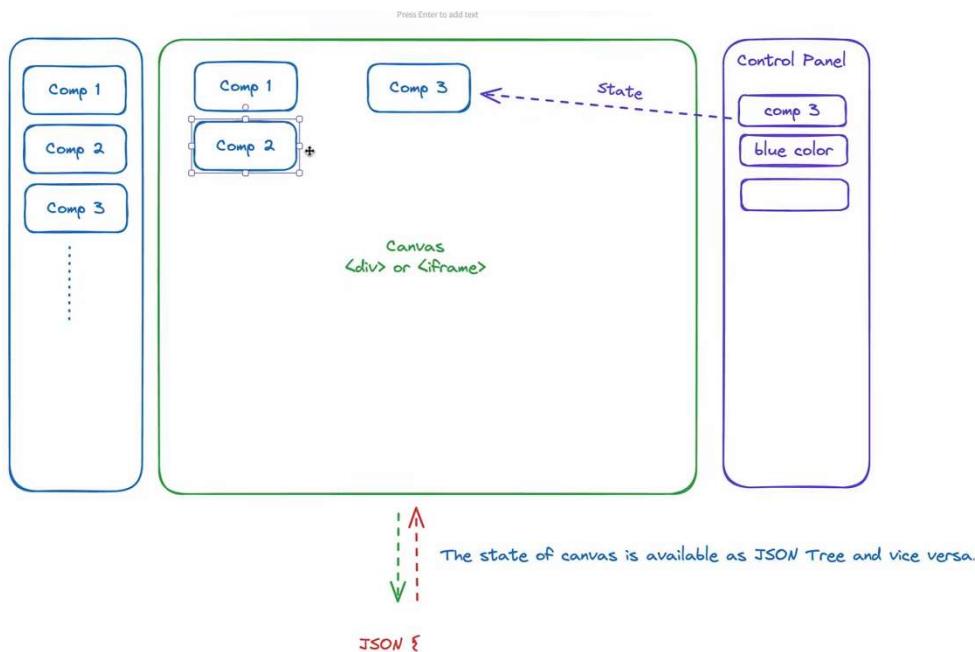


Here is what the applied science interview looked like.

Part V: Artifacts and Articles.

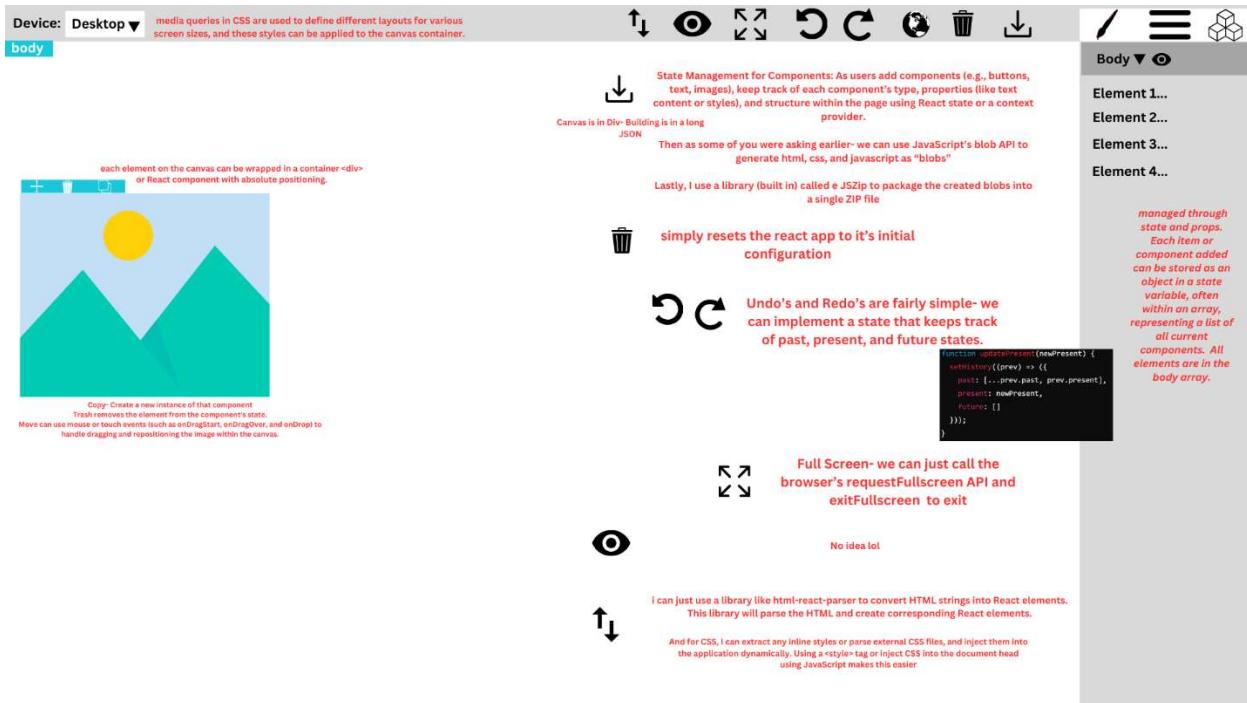
Drawings:

Drawing 1:



This was my first attempt at creating a overall design of my project- as you can see, I have the three main elements. A component section, a div or canvas, and a control panel. I did not have a exporting to zip option at this time, so I created a code that would convert all the html, css and javascript into a long JSON format.

Drawing 2:

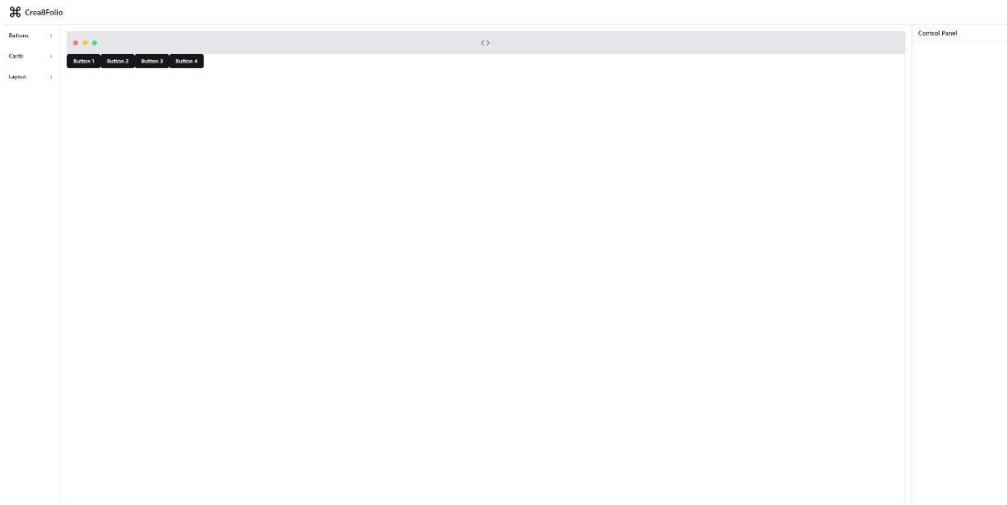


This drawing or illustration was done more recently. I decided to move from the web based application to an electron app. I looked over Grape.JS website designer framework- and how their applications functioned and designed a new UI with key elements that would work based on the framework and my own ideas. This was my initial drawing of it.

Modules:

Working Module One:

This was my first working model that followed the design of the original drawing (see above). As you can see, this was made in REKKAS- a website builder framework similar to that of Grape.JS- just not as powerful and somewhat newer as well. There were 2 problems with this concept. The first being that I could not put styling into the components that was *easy* for users to do. Especially since this was a low code editor. I realized I had to switch to Grape.JS and create the app in electron



Code View:

```

import BlockManager from './config/blockManager.js'
import styleManager from './config/styleManager.js'
import customScripts from './config/customScripts.js'
import addLocal, { local } from './config/local/index'
import sectionDependencies from './config/sectionDependencies'
import buttons from './config/buttons.js'
import { checkExtension, loadingSpinner } from './helpers/index.js'
import { Notify } from 'notifysub'
import codeImportModal from './config/codeImportModal'
import dependencyCDNLinks from './config/dependencyCDNLinks.js'

import 'notify/notify.min.css';

class Gramateria {
  constructor() {
    this.ng = new Notify({
      duration: 3000,
      position: {
        x: 'center',
        y: 'top'
      }
    });
    this.config = {
      allowScripts: 1,
      showOfists: 1,
      autoorder: 0,
      noticeOrder: 0,
      container: 'ngjs',
      height: '100px',
      frontElement: '',
      clearElement: '',
      protectedCSS: 'iframe-wrapper{padding-bottom:30px;}.section:last-child{margin-bottom:30px}',
      canvas: {
        styles: [
          'https://fonts.googleapis.com/css?family=Roboto:wght@400&display=block',
          'https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/5.0.2/css/bootstrap.min.css',
          'https://cdnjs.cloudflare.com/ajax/libs/line-awesome/1.3.0/font-awesome-line-awesome/css/all.min.css',
          'gramateria/dist/global.css'
        ],
        scripts: [
          'https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/5.0.2/js/bootstrap.min.js',
          'gramateria/dist/global.js'
        ],
        // commands,
        // sections,
        // blockManager,
        // styleManager,
        storageManager: {
          id: 'local',
          type: 'local',
          autosave: 1,
          autoload: 1,
          trashOnLeave: 1,
          storeComponents: 1,
          storeStyles: 1,
          storeHTML: 1,
          storeCSS: 1,
        }
      }
    };
    this.appendDependencies();
  }

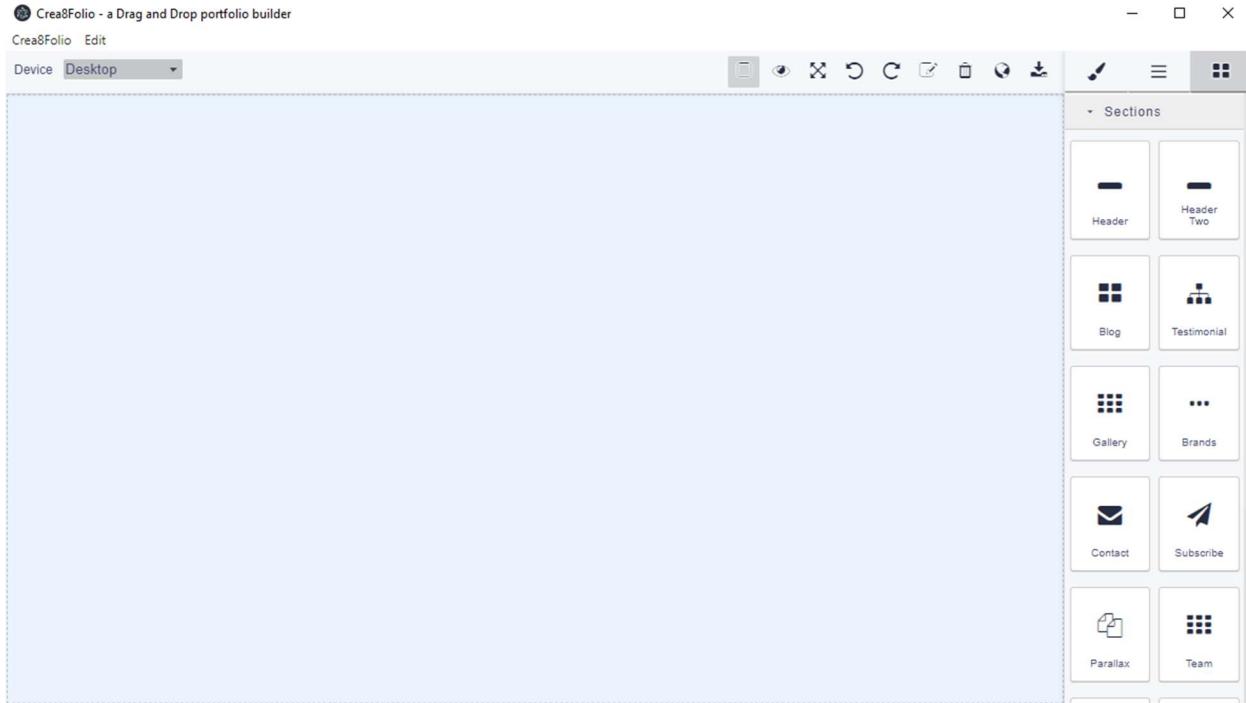
  codeImportModal() {
  }
}

export default Gramateria;

```

The git repository at "C:\Users\lizan\Documents\codeCreateFolio" has too many active changes, only a subset of Git features will be available. Would you like to add "node_modules" to .gitignore?

Working Module Two:

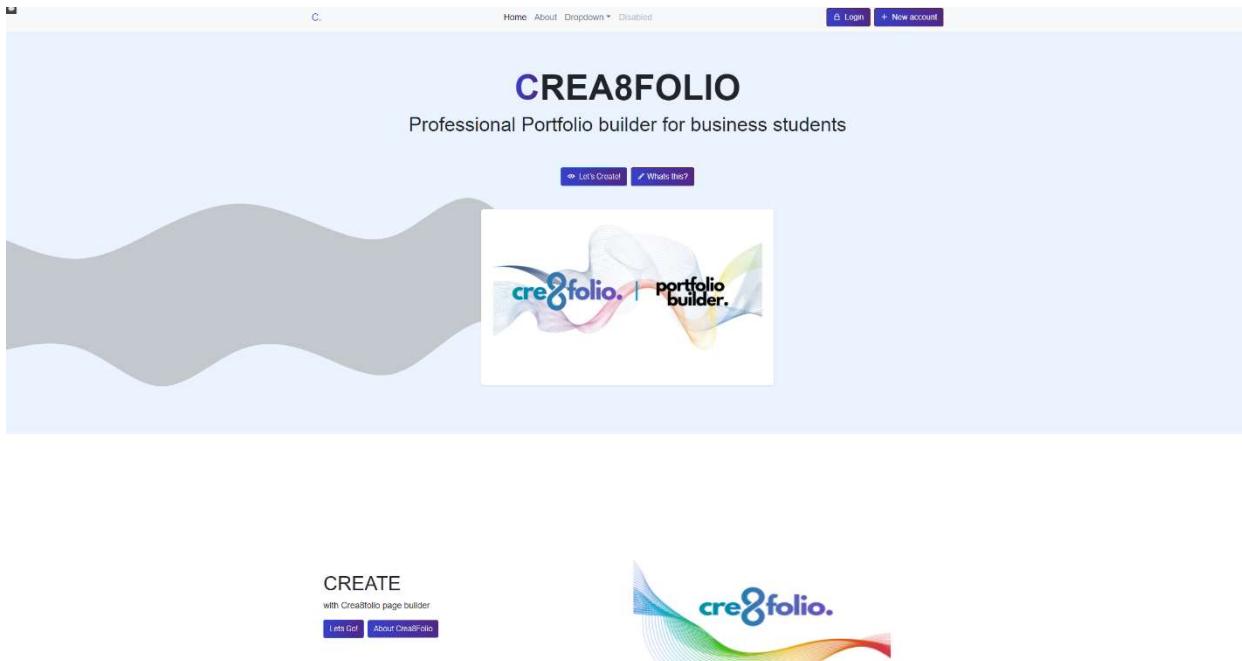


This was after the module moved into Electron. Again, you can see that it follows my second drawing format- and that I included most of the functionality I was talking about. As of right now, only a

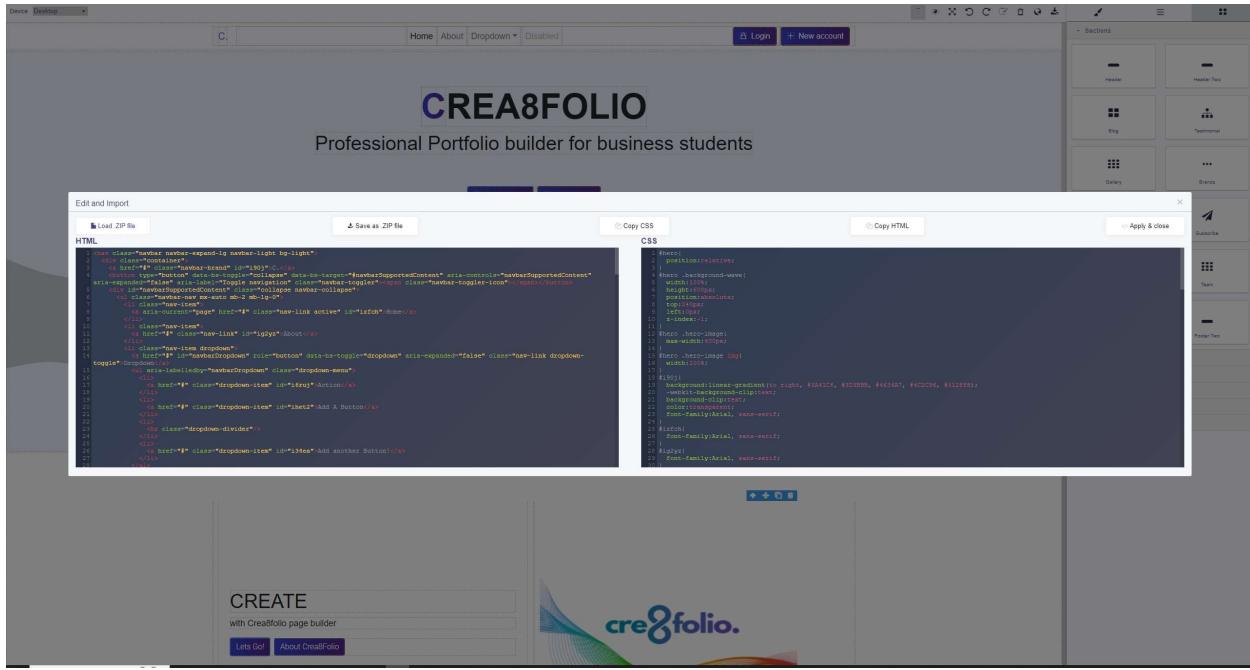
few work but I will be updating it as I go on. Right now, only the header, and header 2, and blog are draggable. That does not mean anything will show up on the canvas though. I decided to use templates and block dragging to make the designing process more easier and to save the application from all the math it needs to compute in order to place certain things somewhere- even though most of it is done by Grape.JS.

Code View:

Working Module Three:



This is an example of the working module after implementation of the specate and website view effect- as well as implementation of all the properties. One can put elements into the canvas and view it before they export.



A view of the html and css that can be copied. This is all built in. This is Crea8folio at it's latest development. As you can see, the GrapeJs software is working and can be used to style all the elements. I also have the math and templates in place. This makes it easy for simple style drag and drop for elements. I also have the buttons in place that can be linked to places. You can also change the colors of any elements and create custom CSS and classes for every option. You can edit text and link it to websites. You can import images, and videos as well as block elements. Lastly, you can export the code as a zip or just in html and css code.

```

1 // HTML codes for index.html
2
3 import { getLocal } from '../helpers/index';
4
5 export const exportTemplate = (data) =>{
6   const {title,description} = data;
7   let dependencies = getLocal('gram-dependencies');
8
9   let dependencyLinks = dependencies.length > 0 ? dependencies.map(d=>{
10     return `<link rel="stylesheet" href="${d.css}">`;
11   }).join("\n") : '';
12
13
14   let dependencyScripts = dependencies.length > 0 ? dependencies.map(d=>{
15     return `<script src="${d.js}"></script>`;
16   }).join("\n") : '';
17
18   return `<!DOCTYPE html>
19 <html lang="en">
20 <head>
21   <meta charset="UTF-8" />
22   <meta http-equiv="X-UA-Compatible" content="IE=edge" />
23   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
24   <title>${title}</title>
25   <meta name="title" content="${title || ''}">
26   <meta name="description" content="${description || ''}">
27   <link rel="preconnect" href="https://fonts.googleapis.com">
28   <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
29   <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Roboto:wght@300&display=swap" />
30   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/5.0.2/css/bootstrap.min.css" />
31   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/line-awesome/1.3.0/font-awesome-line-awesome/css/all.min.css" />
32   ${dependencyLinks}
33   <link rel="stylesheet" href="css/global.css" />
34   <link rel="stylesheet" href="css/style.css" />
35 </head>
36   ${html || ''}
37   <script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/5.0.2/js/bootstrap.min.js"></script>
38   <script src="js/global.js"></script>
39   ${dependencyScripts}
40   <script src="js/script.js"></script>
41
42   </body>
43 </html>
44 }
45
46

```

Code view of the export function.

Articles:

Article one:

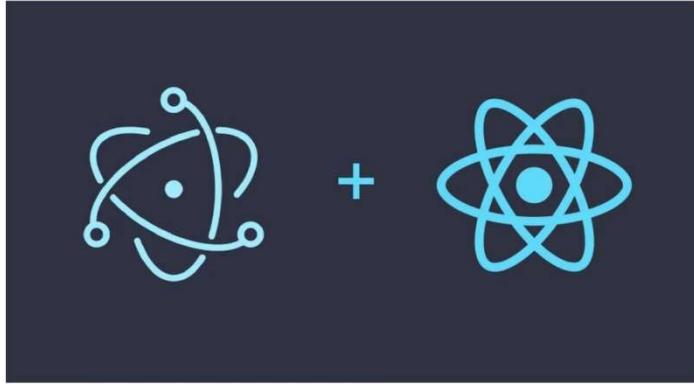
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Creating Desktop Applications with Electron and React

Azer Maslow · [Follow](#)
4 min read · Jul 20, 2023

142 7

...



Electron is a popular framework that allows developers to build cross-

I decided to do some research on how to integrate electron with React, and with the help of my expert I was able to get it up and running pretty quickly. I used this article as well to get the basics down.

Article Two:

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Updated March 2023
Released March 2023
Publisher(s): Packt Publishing
ISBN: 9781805125549

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Besides my expert and my own knowledge, I would find articles online and books that would give me the answers and the ability to solve some problems I was having. Whenever I was stuck I would either use stack overflow or find an article talking about my problem in detail.

Article Three:

The screenshot shows a React tutorial page on codecademy.com. The top navigation bar includes links for Tutorials, Exercises, Certificates, Services, and a search bar. The main content area is titled "React Tutorial" and contains an introduction to React as a JavaScript library for building user interfaces. It includes sections on React's use in single-page applications and its ability to create reusable UI components. A "Start learning React now" button is present. On the left, there's a sidebar with categories like "React Tutorial", "React Hooks", and "React Exercises". Below the main content, there's a "Learning by Examples" section with a code editor showing a simple React component and a "Run Example" button.

A small article on how to install React.

Article Four:

The screenshot shows a "Getting Started" guide for GrapesJS. The top navigation bar includes links for Docs, API Reference, Support Us, Twitter, and GitHub. The main content area is titled "Getting Started" and provides a step-by-step guide for creating a builder. It includes sections on importing the library, defining components, and starting the canvas. The "Import the library" section shows code snippets for both client-side and Node environments. The "Start from the canvas" section shows the initial HTML structure of the editor and the code used to initialize it.

An in-depth article on how to install and implement GrapesJS.

Article Five:

The screenshot shows a Stack Overflow question titled "Can I integrate grapejs website builder into my own website". The question was asked 4 years, 11 months ago and has 4k views. It includes a detailed description of the problem and several answers. A sidebar on the right shows the user's profile and activity.

Grape.js integration questions- really helped me.

Article Six:

The screenshot shows the Electron quick start guide. It includes sections on Prerequisites, Create your application, Scaffold the project, and a terminal window showing command-line instructions. The guide provides step-by-step instructions for creating a basic Electron application.

An in depth tutorial on how to create an electron app.

Article Seven:

About **Writing** Projects Speaking Games Contact Feed

A Comprehensive Guide to Building and Packaging an Electron App

— March 7, 2021 —

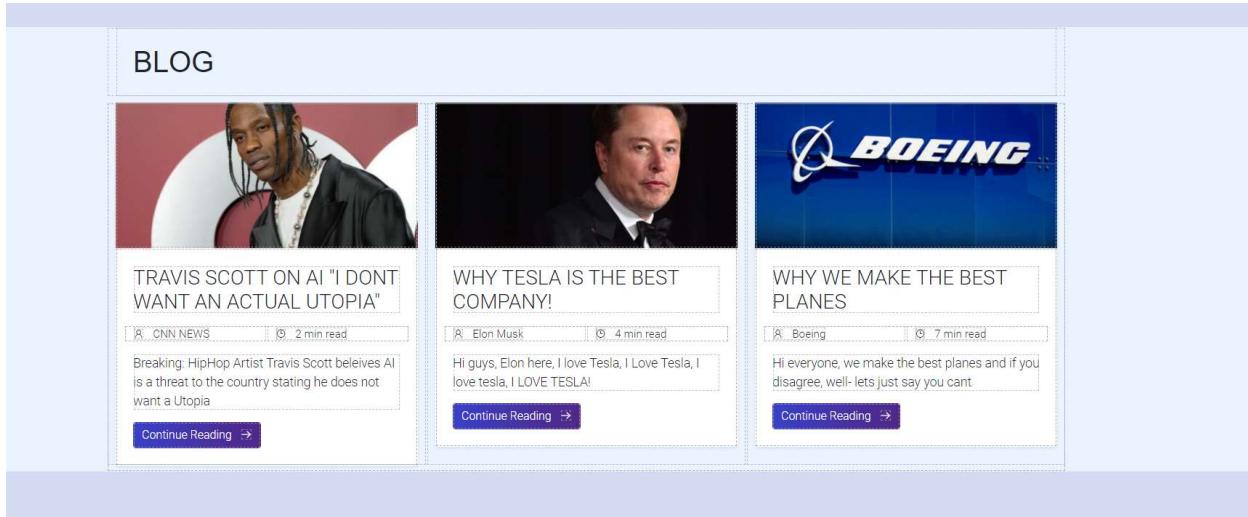
I recently went through the gauntlet that is trying to build and package an [Electron](#) app. I say gauntlet as the entire process of figuring out all the different ways there are to package an app for distribution was quite exhausting and a bit frustrating.

The main problem I had was that there are lots of different tools and ways to package an app. There's [electron-forge](#), [election-packager](#), and [election-builder](#). Each one claims to be either a "complete tool" or "complete solution" to create, package, and distribute an Electron app. Each does a slightly different thing and

Another tutorial and guide on how to create an electron app.

Extra Artifacts:

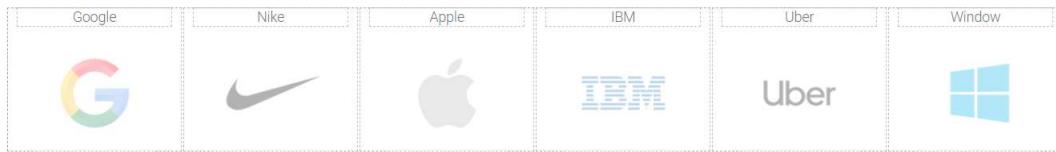
Article Eight:



The blog section being implemented in crea8folio.

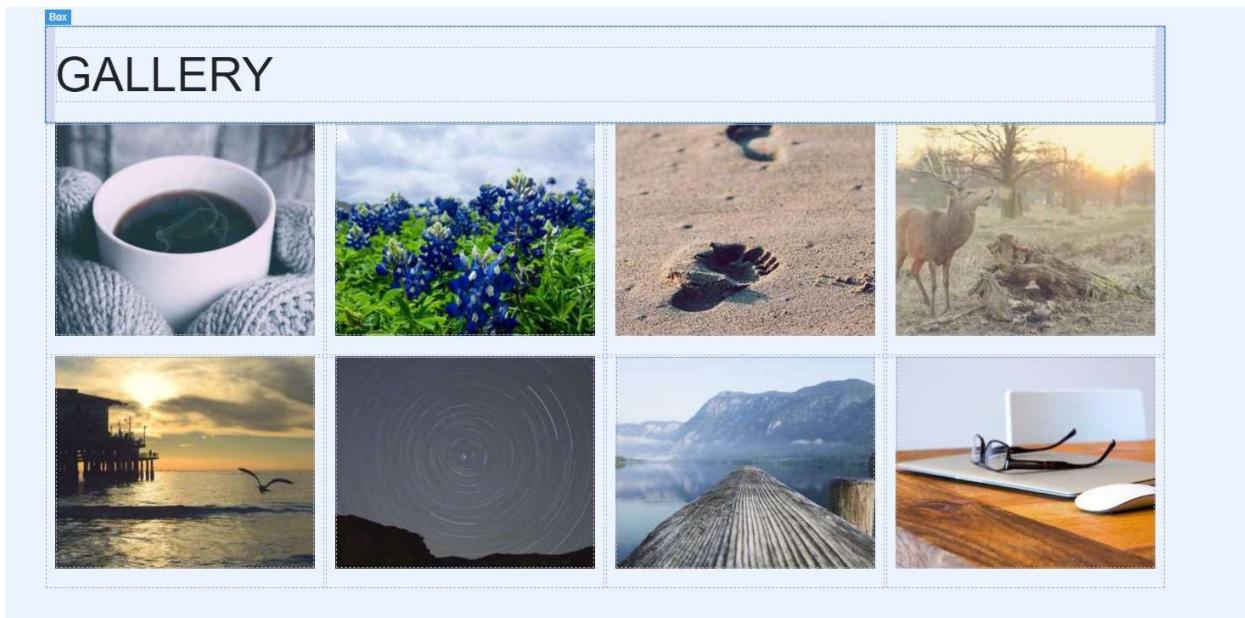
You can see that this blog is created around this i-frame wrapper. It is what holds it together.

Article nine:

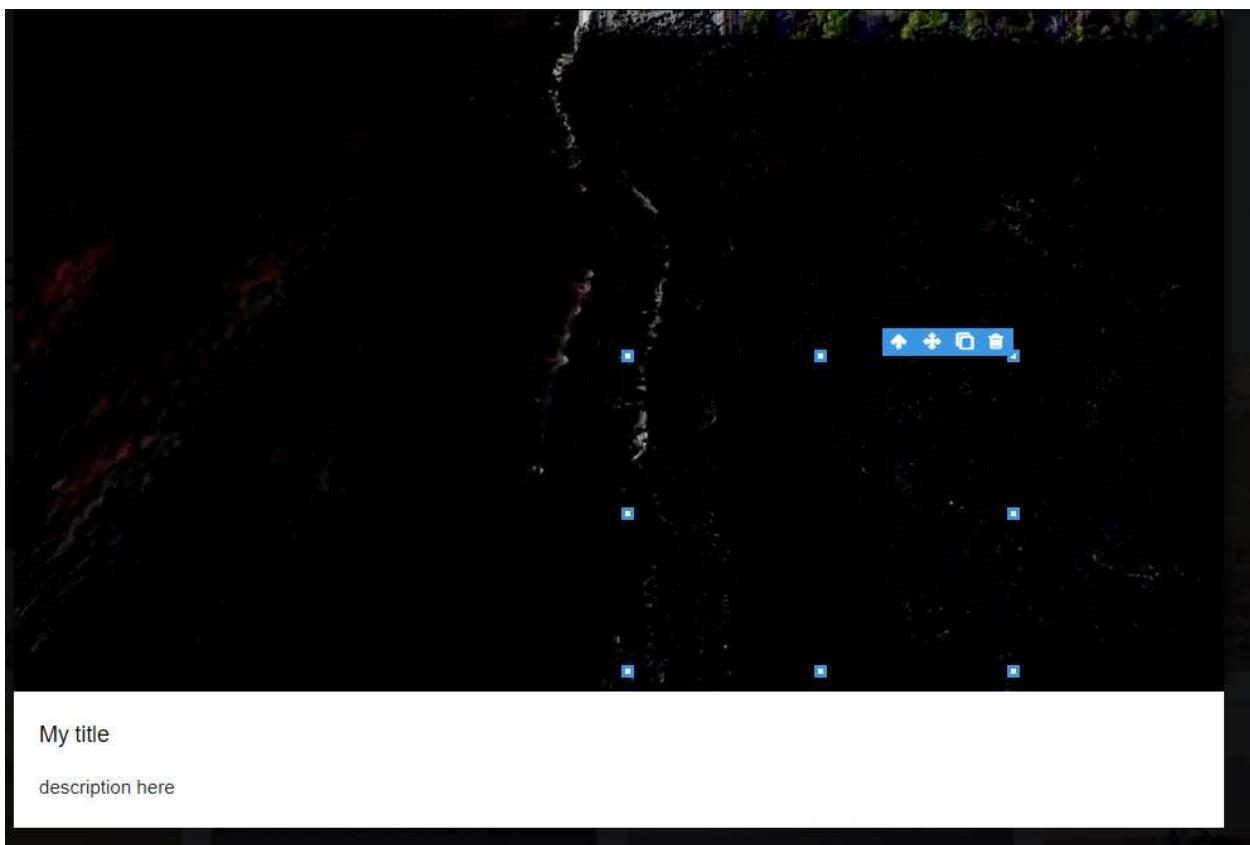


Brands section being used to connect potential clients or to improve confidence about one's website.

Custom classes and styling properties for each brand.

Article Ten:

Gallery Section- where one can put whatever lightbox images and videos by simply uploading their own file.



Supports Vimeo and YouTube video with api as well.

Article Eleven:

The contact page consists of two main sections. On the left, there is a large blue box containing the heading "CONTACT US" and some placeholder text: "SEATTLE WA", "4663 Random Seattle Street", and "222-222-2222". On the right, there is a white box containing several input fields: "Name", "Email", "Phone [optional]", "Message", and a "Send" button.

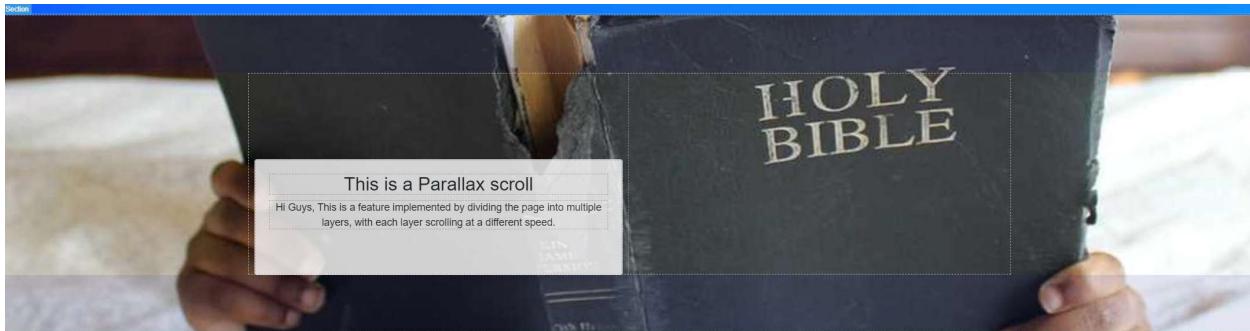
Contact page made with simple html box questions. Can be restyled and re colored.

Article Twelve:

The subscribe page features a central white box with a blue border. Inside the box, there is a heading "SUBSCRIBE", an "Email" input field, a "Submit" button, and a link "Join The NewsLetter!". To the right of the input fields, there is a purple circular icon with a white envelope symbol.

Subscribe Page

Article Thirteen:



Parallax Scroll- Integrated with a built in Grape.JS feature that allows elements to fit into others creating this effect.

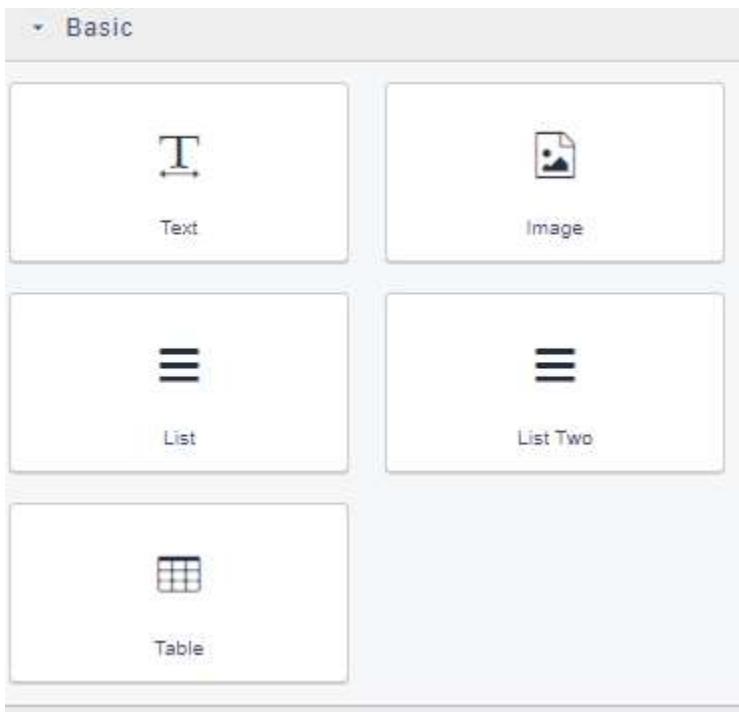
Article Fourteen:



Footer for a clean end of website.

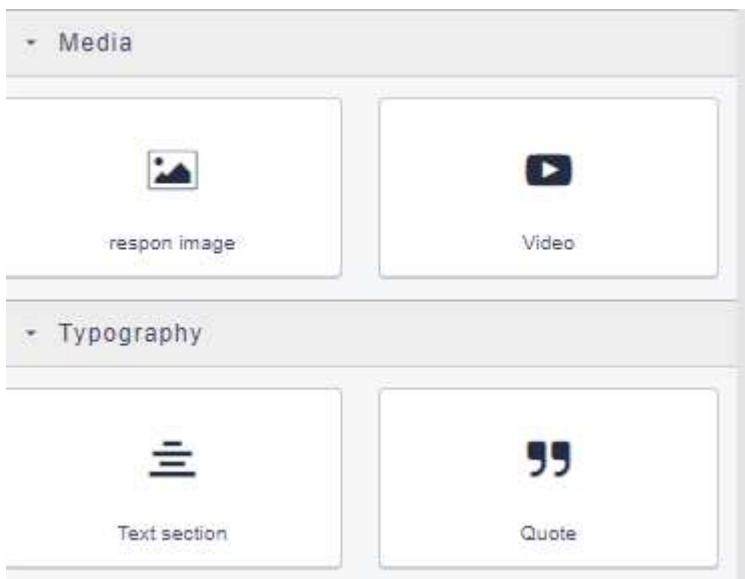
Article fifteen:

Different block elements that allow one to place empty spaces that can be used to put other elements inside it.

Article Sixteen:

Basic media and table blocks. Table build for business majors only.

#	First	Last	Handle
1	Mark	Otto	@mdo
2	Jacob	Thornton	@fat
3	Larry	the Bird	@twitter

Article Seventeen:

Lastly, media and typography section where one can include images, videos, sections with just text, and quotes.

Part IV: Annotated Bibliography

Business Portfolio Examples for Research

"University of Michigan Business Portfolio."

Michigan Ross, University of Michigan,

<https://michiganross.umich.edu/undergraduate/bba/admissions/first-year-applicants/admissions-portfolio>.

This resource provides detailed information on the requirements for submitting a portfolio as part of the University of Michigan business school admissions process. It includes examples of what applicants should include to present themselves effectively.

"FSU Business Portfolio."

Florida State University, Florida State University,

<https://apps.its.fsu.edu/CareerPortfolio/public/view/138220/business#profile:138220>.

An example of an undergraduate's business portfolio from Florida State University, showcasing a current student's profile and their approach to presenting a professional portfolio.

"Purdue Global Business Portfolio Sample."

Purdue University, Purdue Global, <https://www.purdueglobal.edu/transfer-students/business-portfolio-sample.pdf>.

An example of a current undergraduate's portfolio from Purdue Global, providing insight into how business students can structure their portfolios for maximum impact.

Electron and Node.js Resources

"Electron and Node.js Integration."

Quasar, Quasar.dev, <https://v1.quasar.dev/quasar-cli/developing-electron-apps/node-integration>.

This article discusses the integration of Node.js within Electron applications, explaining how developers can use the powerful combination of both technologies to build robust desktop applications.

"Creating Desktop Applications with Electron and React."

Medium, Azer Maslow, 28 Dec. 2018, <https://medium.com/@azer.maslow/creating-desktop-applications-with-electron-and-react-b7f81f78c9d5>.

A guide on how to create desktop applications using Electron combined with React. It provides a step-by-step process for developers looking to build cross-platform desktop apps.

"Builder.io for React."

Builder.io, builder.io, <https://www.builder.io/m/react>.

This site offers a no-code builder for React applications, allowing users to visually build and deploy complex React-based applications. It can be particularly useful for developers working with React who need a quick, visual tool for creating and managing content.

"Canva."

Canva, canva.com, <https://www.canva.com/>.

A user-friendly design tool for creating graphics, icons, and other elements. Canva can be an essential tool for designing user interfaces or custom visuals to be used in Electron apps.

"Cloudinary."

Cloudinary, cloudinary.com, <https://cloudinary.com/users/login>.

Cloudinary provides a cloud-based platform for managing images, videos, and other media. It's ideal for developers who want to integrate media management into their Electron applications.

Front-End Frameworks and Libraries

"GrapesJS Documentation."

GrapesJS, grapesjs.com, <https://grapesjs.com/docs/>.

GrapesJS is an open-source framework for building web-based visual editors. This documentation guides developers on how to integrate GrapesJS into their projects and customize it for various use cases.

"Craft.js Documentation."

GitHub, prevwong/craft.js, <https://github.com/prevwong/craft.js>.

Craft.js is a framework for building headless, customizable web editors. This resource provides developers with documentation on how to implement Craft.js into their own projects for creating content management systems or website builders.

"Reka.js Documentation."

Reka.js, reka.js.org, <https://reka.js.org/docs/guides/getting-started>.

Reka.js is a modern framework designed to help developers create complex applications with ease. The documentation provides a comprehensive guide on how to get started and utilize Reka.js in React projects.

Learning and Resources on React

"React JS MasterClass."

React JS, Reactjs.org, <https://reactjs.org/>.

The official React.js website offers comprehensive resources for developers at all levels. From the basics of React to advanced concepts, it provides tutorials, documentation, and guides for building dynamic, modern web applications.