HACKATHON

Milestone-Based Interactive Resume Builder

Event Date: 7th September 2024
Duration: 24 Hours (Starting 03:00 PM)
Submission Deadline: 8th September 2024, 02:59 PM

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Overview:

This hackathon challenges you to build a complete **Interactive Resume Builder** step-by-step, divided into five key milestones. Each milestone builds upon the previous one, taking you from a static resume to a fully dynamic, editable, and shareable online resume. You can work from home, completing as many milestones as you can within the 24-hour time frame.

Hackathon Structure:

- The hackathon is divided into 5 milestones.

- Each milestone carries 100 points.

- You can submit your progress for each completed milestone.

- Aim to complete as many milestones as possible within the 24-hour limit.

Milestone 1: Static Interactive Resume Builder (100 Points)

Objective:
Build a static resume using **HTML**, **CSS**, and **TypeScript**.

Requirements:

- Create a static resume with sections like:

    - Personal Information (Name, Contact Details, Profile Picture)

    - Education

    - Skills

    - Work Experience

- Use **TypeScript** to add basic interactivity, such as a button to toggle the visibility of the "Skills" section or other sections.

Scoring Breakdown:

- **HTML Structure and Completeness (40 points):**

    - Are all sections (Personal Info, Education, Skills, etc.) clearly created using proper HTML structure?

- **CSS Styling and Responsive Design (40 points):**

    - Does the resume look visually appealing and function well across mobile and desktop devices?

- **Basic TypeScript Functionality (20 points):**

    - Are there buttons or any interactivity implemented (e.g., show/hide sections)?

Milestone 2: Publish on GitHub and Host on Vercel (100 Points)

Objective:

Publish your static resume created in Milestone 1 to **GitHub** and deploy it live using **Vercel**.

Requirements:

- Push the project code to a **GitHub repository**.

- Deploy the project on **Vercel** so that the resume is publicly accessible.

Scoring Breakdown:

- **GitHub Repository Setup and Organization (50 points):**

    o   Is the code properly committed and pushed to a GitHub repository?

    o   Is the repository well-organized with proper folder structures and file naming conventions?

- **Successful Deployment on Vercel (50 points):**

    o   Is the resume successfully deployed and accessible online via Vercel?

Milestone 3: Dynamic Resume Builder with Form (100 Points)

Objective:

Convert the static resume into a **Dynamic Resume Builder** where users can fill out a form, and the resume is generated based on their input.

Requirements:

- Create a form to capture user input for:

    o   Personal Information (Name, Email, etc.)

    o   Education

    o   Work Experience

    o   Skills

- Use **TypeScript** to dynamically generate the resume using the data provided through the form.

Scoring Breakdown:

- **Form Design and Validation (40 points):**

    o   Does the form collect all necessary details in a user-friendly manner?

- o Is validation implemented to ensure that all fields are filled correctly (e.g., mandatory fields)?

- **Dynamic Resume Generation (40 points):**

  - o Does the form correctly populate the resume with user input?

  - o Is the resume updated in real-time without refreshing the page?

- **User Experience and Functionality (20 points):**

  - o Is the form-to-resume generation smooth and functional?

Milestone 4: Editable Resume (100 Points)

Objective:
Make the generated resume **editable** after it's created.

Requirements:
- Implement the ability for users to click on sections of the resume (e.g., Education, Work Experience) and directly edit them.
- Ensure the changes are reflected immediately without reloading the page.

Scoring Breakdown:
- **Editable Functionality Implementation (60 points):**

  - o Is each section of the resume editable (i.e., can users click and modify content)?

  - o Are changes reflected without requiring a page refresh?

- **TypeScript Code Quality and Logic (40 points):**

  - o Is the TypeScript code organized, efficient, and error-free?

Milestone 5: Unique Path and Shareable Link (100 Points)

Objective:
Generate a **unique URL** for each resume based on the user's username, and allow the resume to be shared and downloaded.

Requirements:
- When a user creates a resume, generate a unique URL, for example: username.vercel.app/resume.
- Provide options for users to share their resume via a link and download the resume as a PDF.

Scoring Breakdown:

- **Unique URL Generation (50 points):**

  o Does the system generate a unique path for each user's resume based on their username?

- **Link Sharing and PDF Download (50 points):**

  o Can users share their resume link, and does the download function work properly?

Hackathon Timeline:

- **Start Time:** 7th September 2024 3:00 PM.

- **End Time:** 8th September 2024 2:59 PM.

- **Submission Deadline:** 8th September 2024 2:59 PM.

Submission Guidelines:

Submission form link: https://forms.gle/qa1dLhecmWvX3PpJ6

1. **Milestone 1 (Static Resume Builder):**

   o Submit Milestone 2, which contains your HTML, CSS, and TypeScript code.

2. **Milestone 2 (Publish and Deploy):**

   o Share the link to your GitHub repository and your deployed Vercel URL.

3. **Milestone 3 (Dynamic Resume Builder):**

   o Ensure the form functionality is working. Submit a link to your live project and GitHub repository.

4. **Milestone 4 (Editable Resume):**

   o Make sure the resume is editable. Submit the updated code and live project link.

5. **Milestone 5 (Unique Path and Shareable Link):**

   o Submit the project with unique URL functionality and sharing options.

Note: You can submit each milestone as you complete it, use a single GitHub repository and Vercel link for all milestones, which our team will understand when evaluating your hackathon project.

Awards and Recognition:

Students who complete all milestones will receive the title of **"Senior Student"**

Evaluation:

Your submissions will be evaluated by a panel of instructors based on the following:

- **Completeness**: Did you meet the objectives of each milestone?

- **Code Quality**: Is your code clean, well-organized, and efficient?

- **Functionality**: Does your resume work as expected (dynamic, editable, shareable)?

- **Design and User Experience**: Is the resume visually appealing and easy to use?

Final Words:

This hackathon is an excellent opportunity for you to apply your learning, push your limits, and build something you can be proud of. Complete each milestone to the best of your ability, and remember, creativity and innovation are highly encouraged. Good luck!

Governor House Team

Submission form link:

https://forms.gle/qa1dLhecmWvX3PpJ6

Hackathon FAQ:

1. **Can we use Next.js for this hackathon?**

   o **No**, the focus of this hackathon is to use **HTML**, **CSS**, and **TypeScript**. Next.js is not allowed as it hasn't been taught yet.

2. **Are we allowed to use third-party libraries?**

   o You should avoid using third-party libraries unless absolutely necessary. The goal is to demonstrate your understanding of the core concepts in HTML, CSS, and TypeScript.

3. **Is it okay to work in teams or collaborate with other students?**

   o **No**, this is an **individual-based** hackathon. Each student must complete their project on their own. Group work or shared projects are not allowed.

4. **Can we work on the same project with someone else or share code?**

   o **No**, every student must submit their own unique project. Sharing code or working on the same project with others is not allowed.

5. **What if I get stuck during the hackathon?**

   o You can refer to the **Prerequisites and Best Practices** document for guidance or use online resources like **MDN Web Docs**, **W3Schools**, or **Stack Overflow** to resolve issues. However, avoid copying code directly.

6. **Do we need to deploy the project for each milestone?**

   o Yes, especially for Milestone 2 and beyond. You need to **publish your project on GitHub** and **deploy it on Vercel** to submit a live link for evaluation.

7. **What if I'm unable to complete all milestones?**

   o It's okay! Focus on completing as many milestones as you can within the time limit. You'll still be evaluated based on what you've achieved.

8. **Is there a specific structure or template to follow for the project?**

   o No specific template is provided. You are encouraged to create your own structure based on the project requirements.

9. **Can I submit milestones one by one?**

   o Yes, you can submit each milestone as soon as you complete it. Use the same GitHub repository and Vercel link for all milestones.

10. **What time will the hackathon start and end?**

- The hackathon will start at **3:00 PM** on 7th September and end at **2:59 PM** on the next day. Make sure to manage your time well to complete your project before the deadline.

11. **Can I use a CSS framework like Bootstrap or Tailwind CSS?**

- **No**, using frameworks like Bootstrap or Tailwind is not allowed. The focus is on demonstrating your own CSS skills. Please stick to vanilla CSS.

12. **Do I need to include images in my resume project?**

- Including images like a profile picture is optional but recommended. However, make sure your images are optimized and don't affect the project's performance.

13. **What if I encounter deployment issues with Vercel?**

- If you face issues deploying on Vercel, ensure your project files are correctly structured and follow Vercel's deployment steps. You can refer to the documentation or contact the instructors early if the issue persists.

14. **Are there any restrictions on the design of the resume?**

- There are no strict design restrictions. You are free to get creative with the layout and presentation, as long as you meet the required features for each milestone.

15. **Can I use online tutorials or templates to help me with the project?**

- You may refer to online resources for guidance, but your code must be original. Directly copying and pasting from tutorials or templates will result in disqualification.

16. **Do I need to add animations or extra features to my project?**

- Animations and extra features are not mandatory, but they may help make your project stand out. However, focus on completing the core milestones first before adding extras.

17. **What happens if I don't complete the project on time?**

- Submissions are only accepted within the given time frame (3:00 PM to 2:59 PM the next day). Late submissions won't be considered, so manage your time wisely.

18. **How will the projects be evaluated?**

- Projects will be evaluated based on:
    - **Completeness**: Did you meet the objectives of each milestone?
    - **Code Quality**: Is your code clean, efficient, and organized?
    - **Functionality**: Does the resume work as expected (dynamic, editable, and shareable)?

▪ **Design**: Is the resume visually appealing and easy to navigate?

19. **What should I do if I accidentally delete or lose my project files?**

    o Make sure you frequently back up your project files either locally or using a cloud service. Use version control (Git) to track changes, and commit your code regularly to avoid data loss.

20. **Will there be a leaderboard or ranking?**

    o No official leaderboard will be displayed, but top performers will be recognized based on their overall score across milestones.

21. **What if I don't know how to complete certain milestones?**

    o Try your best to complete what you can, but don't be discouraged. The hackathon is a learning experience, and even partial completion shows effort and initiative. You will be graded based on what you submit.

22. **Can I change or update my submission after the deadline?**

    o No, once the submission deadline passes, no changes or updates can be made. Make sure to finalize and submit your project before the deadline.

23. **Is participation mandatory for all students?**

    o Participation is highly encouraged, but not mandatory. However, those who participate and successfully complete milestones will have the chance to be recognized as Senior Students and receive merit-based awards.