



MoonDev March Coding Challenge

[Moondev.solutions](https://moondev.solutions)

Info@moondev.solutions

Overview

Welcome to our coding challenge! This is your opportunity to demonstrate your development skills and join our team without the traditional interview process. Complete this challenge successfully, and you'll be automatically hired.

Project Requirements

Technology Stack

- Next.js
- TypeScript
- Tailwind CSS
- Supabase (for authentication and database)

Application Specification

You'll be building a platform with three main pages:

1. Login Page

- Allow users to enter email and password to authenticate
- Support two user roles: Developer and Evaluator
- Implement proper error handling for failed login attempts

2. Submit Page (Developer Only)

- Accessible only to users with Developer credentials
- Include a form with the following fields:
 - Full Name
 - Phone Number
 - Location
 - Email Address
 - "What do you like to do in life (other than coding)?" - We want to hear about your real hobbies and interests, not generic answers
- Profile picture upload with client-side compression
 - Regardless of original image size, compress to maximum 1MB
 - Resize to maximum dimensions of 1080px (width or height)
- Source code upload
 - Allow developers to upload a zipped file containing the project's source code
- Form validation with appropriate error messages

3. Evaluate Page (Evaluator Only)

- Accessible only to users with Evaluator credentials
- Display submitted developer information

- Allow evaluators to download the developer's source code
- Include a feedback text box for evaluator comments
- Feature two decision buttons:
 - "Welcome to the Team" (for accepted candidates)
 - "We Are Sorry" (for rejected candidates)
- Implement real-time updates so feedback and decisions are immediately visible to both parties

Additional Requirements

- **Route Protection**
 - Developers should only be able to access the Submit page
 - Evaluators should only be able to access the Evaluate page
 - Redirect unauthorized access attempts appropriately
- **User Experience**
 - Implement clear visual notifications throughout the application
 - Create intuitive loading states during form submission and data fetching
 - Design responsive layouts that work on both desktop and mobile
- **Real-time Updates**
 - Use Supabase real-time capabilities to reflect changes immediately
 - Ensure evaluator feedback and decisions appear without requiring page refresh
- **Email Notifications**
 - Implement automated email notifications to developers when evaluators submit their decision
 - Use Supabase Edge Functions and Mailjet (<https://www.mailjet.com/> - free tier) for email delivery
 - Emails should include the evaluator's decision and feedback

Evaluation Criteria

Your submission will be judged on the following:

1. **Completeness:** Have you implemented all the required features?
2. **Code Quality:** Is your code well-structured, readable, and maintainable?
3. **UI/UX Design:** How intuitive and visually appealing is your interface?
4. **Best Practices:** Have you followed industry standards for Next.js and React development?
5. **Error Handling:** Does your application gracefully handle potential errors?
6. **Authentication:** Is your role-based access control properly implemented?

Submission Guidelines

1. Deploy your application to a hosting platform of your choice (Vercel, Netlify, etc.)
2. Send us an email at Info@moondev.solutions with:
 - Subject: "[Your Name] - MoonDev March - Coding Challenge"
 - The deployed application URL
 - Evaluator credentials (email and password)
 - No need to attach any files – we'll access your application via the provided link

Important Notes

- You are encouraged to use AI tools & any node libraries to help with your development. We care about results and problem-solving ability, not how you get there.
- Be sure to test your application thoroughly before submission.
- If your solution meets all requirements and demonstrates good development practices, you'll be automatically hired and added to our team without further interviews.
- It's important to gain a clear understanding how each used technology works during development as they will be used in future projects at moondev.

Good luck! We look forward to seeing your solution.