



COGNIZANCE TASKS 2

OPEN SOURCE

This document contains a series of tasks which will help you to comprehend the basics of the Opensource domains of Computer Science, and help you acquire confidence in writing and analyzing JavaScript. For each task, you are supposed to make separate repositories and title them **accordingly**. The deadlines given are very strict and if they fail to do so, they will be awarded with a **failed** role.

<Happy Coding 😊!/>

- Rohit Kumar Sah

1. **Use Rive to create interactive animation for your website or any software product (this might be the same product you used in task-1). You're free to experiment with spectacular self-made interactive animations.**

The use of interactive animations on your website offers a one-of-a-kind, enjoyable experience that stands out from the crowd. We personally favor [Rive](#) for animations since it is easy to use and has a [library of community-created animations](#) that you can integrate right into your project.

Reference :

- [Rive - About Rive](#)
- [Rive's web runtime](#)
- [Rive-canvas - npm](#)

Deadline : 21th June 2021

2. **Create an authentication page where users can be validated using their email and password to login to their account.**

*Simply said, there should be a page that asks for the user's email address and password, as well as a **Sign in** and **Sign Up** button with a **Logout** option which will be visible after user logs in. You may easily accomplish this by using [Firebase](#) or [Supabase](#). They both provide completely controlled backend infrastructure.*

Reference :

- [Firebase Authentication](#)
- [Get Started with Firebase Authentication on Websites](#)
- [Authenticate with Firebase Using Email Link in JavaScript](#)
- [Firebase Authentication for Web. The quickest auth implementation ever](#)

Deadline : 27th June 2021



3. Create a time-down counter which counts down to the next Thanksgiving.

Barney lost a [slap-bet](#) with Marshall which means Marshall could slap Barney anytime from now till eternity but he chose Slapsgiving (or so-called Thanksgiving) as the perfect day. Create a webpage to keep track of how many days, hours, minutes and seconds is left until Barney gets his next slap. You can be just as imaginative as you like for the design.

Reference :

- [How To Create a Countdown Timer](#)
- [FlipClock.js Styling](#)

Deadline : 2nd July 2021

4. Create a Web Application which displays the basic weather information based on user location.

[Sam's](#) already late for work and she's still wondering if she should bring an umbrella with her. Create a web app that will show a weather report based on Sam's location, so she can finally be sure whether or not she needs an umbrella and never be late for work again.

Reference :

- [Build a Simple Weather App with Vanilla JavaScript](#)
- [Build A Weather App with Vanilla JavaScript Tutorial](#)
- [How to Build a Weather Application with React and React Hooks](#)

Deadline : 8th July 2021