streamhub

JavaScript OO / CSS Test

- **Part 1: Questions (30 minutes)**
- **Part 2: Test app (4 - 8 hours)**

Part 1: Questions (30 minutes)

1. In your own words, explain CSS positioning techniques.
2. In your own words, how is function scope handled in JavaScript?
3. What is the best approach to keeping clear separation of project JavaScripts files, and also maintaining a well performing JavaScript deployed application.
4. Describe OO in JavaScript.

Part 2: Test app (4 - 8 hours)

- Create a small app using Require.js and Backbone.js and other libraries of your choice with a reports section module.
- On the report section create a simple line chart using a library of your choice. Simulate real-time updates of the chart by using a timer to add data incrementally to the chart. Optionally include transition animation.
- Include a nice layout using CSS.
- Create clear separation between model, view, and controllers using OO inheritance, encapsulation, abstraction, and polymorphism.
- The application should be able to scale with development. For example, the architecture should work to allow new modules and features added in the future.