Assignment – Full Stack Developer

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FlytBase is a technology product startup and is a global market leader in drone automation software products. Team members at FlytBase are young achievers who are not afraid to dream big and work hard with their teams to realize those dreams. Mutual trust, respect, the pursuit of excellence, efficient execution, and a sense of responsibility & ownership are the core values that drive us as a team. We aspire to build one of the best workplaces in the world where our team of innovators can thrive and work towards realizing their potential, enabling FlytBase to continue to strengthen its position as a technology leader in this space.

We would anticipate the same level of zeal, dedication, and pursuit of excellence from you in your job as a member of the web development team.

Task: Moveable Box Generator

Create an app that can create new boxes and move them around with the keyboard.

Expected Outcome:

● User gets a button to add a new box in the window. On clicking the button, a box is created with a unique number ID. Boxes are of fixed width and height.
● Higher id boxes will have a higher z-index.
● Users can add multiple boxes.
● To select a box, click on it. Highlight the selected box.
● Use W-A-S-D or arrow keys on the keyboard to move the selected box, we can press 2 keys to move the box diagonally.
● Use the 'delete' key on the keyboard to remove the selected box.
● A button to toggle keyboard control
    ○ no listener should be open when this button status is off.

● Avoid using any NPM library to achieve this behavior.
● Please provide a ReadMe file with your codebase, detailing how to build and deploy your code in the local browser
● Create a hardcoded custom rectangular fence and ensure all the boxes stay within the fence during movement
● Optimize the UI and modularize your code.

Framework:

● Angular(12 or higher) is preferred for this project, but you can use React or VueJS too

How to Submit the Assignment:

● Create a repo on GitHub and upload your source code.
● Share the link of the repo by mailing it to careers@flytbase.com and mark it cc to abhay@flytbase.com
● In case of any issue, please write to careers@flytbase.com.

Please note: Any candidate if found guilty of plagiarism, will result in disqualification from the assignment; and will not be considered for further rounds of evaluation.