

Check Your Bias - Code Review

Every major software engineering project by any software engineering team undergoes a strenuous process of code review. Check Your Bias is no different. For our code review we chose to focus on a few select component authored by one of our own - Roei Avnon. The component reviews all belong and comprise of the Political Profile component on the Check Your Bias application. Two files that were heavily involved in the code review were `PoliticalProfileComponent.jsx` and `PoliticalIssueComponent.jsx`. The files were thoroughly examined for following of coding conventions - both those known in the industry and those laid out specifically by our project team for this specific development project - and for contributing to the project as a whole in terms of architecture and class decomposition/code reusability. Feedback was given through GitHub's built-in code review tool under the commit page, and conversations about the specific issues encountered and reviews transpired both online (through back and forth comments on the tool) and offline, in-person at our weekly meetings.

The code review itself was very informative, and extremely beneficial for Roei, the reviewee. Most importantly, it has enlightened the reviewee to their most commonly made mistakes, such as having extremely long lines, or relying too heavily on information hard-coded into the application rather than dynamic data queried from the database on demand. The feedback on these oft made errors will allow Roei to be more mindful of his code on these specific topics and continuously deliver code that match the team's expectations. It is especially important to catch these mistakes that Roei makes quite often as they end up infecting most components that he touches and slowly permeate into every component of the code base. The other feedback provided focused on more esoteric errors that are not often made, but that still relate to Roei's overall comprehension of the programming languages and paradigms used. The feedback here will allow him to be more careful with his assumptions and strengthen his resolve to research and check minute details in the programming language that he might not have been aware of, or assumed knowledge of incorrectly. Overall, the code review was extremely beneficial to the specific components and files scrutinized, as well as to furthering the connection and communication between members of the development team.