Adena Glasper

Week 4 Research

June 25, 2022

ES6 Features

ES6 has various features come out that have helped create ease with creating simple and clean code. Some updates consisted of different ways to assign variables and being able to create promises (objects) that are easier to read. There are 3 types of variables we can assign; var, const, and let. Var is the variable type that was the standard for JavaScript for assigning items. There are some limitations with using var as once it is declared “it is available and can be accessed only within that function” (Atuonwu). Let is another variable that allows for more range and is the new standard. The let variable assignment allows you to declare a variable within a block {curly braces} and once declared it can be updated, not re-declared. The difference in this is that the var variable can be re-declared as many times as the developer likes and the let variable does the opposite. An example of this would be let height = 15 and then later updating it to let height = 25. The const (also known as constant) is as it states, once the variable is declared it will maintain its constant value within the block they are declared in.

Promises are another update in ES6 that links “producing and consuming code” (“JavaScript Promises”). A producing aspect can take time and consuming “must wait on the result of what is produced” (“JavaScript Promises”). A promise objects acts as such and ensures it will result in something once it is called upon. What makes this valuable is that the value doesn’t need to be returned immediately but will return the value at some point in the future. With any program, updates are essential in improving what was originally created. From being able to have additional ways to create variables to using a promise object, ES6 has allowed for coding to be more seamless and easier to read for the developer.

Works Cited

Atuonwu, Sarah Chima. “Var, Let, and Const – What’s the Difference?” *freeCodeCamp.Org*, 28 Apr. 2021, www.freecodecamp.org/news/var-let-and-const-whats-the-difference.

“JavaScript Promises.” *W3Schools*, www.w3schools.com/js/js\_promise.asp. Accessed 26 June 2022.