# Performance Report

We reviewed appropriate code optimizers and performance tools for use in optimizing the movie database project.

Our project uses HTML, PHP and SQL code. Optimizations are only feasible in the PHP and SQL portion of our program, as HTML is a markup language.

For our PHP code, we are looking to find more performant ways to complete repeated operations, like displaying table rows. For our SQL, we are looking to reduce the total number of SQL calls in our program where possible. These steps can be completed manually independent of optimization tools.

Various optimization tools are available for PHP code. They work using various tricks and methods to serve requests faster. Such tools are referred to as PHP Accelerators. We may consider using an accelerator if we encounter performance issues with our webpage during testing. If we choose to employ an accelerator, we will have to install it on our server and set it up properly.

**Alternate PHP Cache** is a popular PHP accelerator notable for being used and maintained by Facebook. We would have to install this tool if we would like to use it.

**Zend OpCache** is an accelerator packaged with PHP version 5.5 and onwards. We should be able to use this tool with some setup to accelerate our webpage.

From research on this topic, it seems as though Zend OpCache is the preferable choice to apply to our program, should we encounter performance issues.