

OS PROJECT

By Muhammad Umar (20i-0518) and Usman Bokhari (20i0794)



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Introduction:

The project statement required us to create a kernel OS and implement a multi-threading architecture where we could have one of either 1, 2 or 4 CPU’s. This was an inherently interesting project where we got to implement the very concepts we learnt in class.

Problems:

The largest problem we faced during implementation was one where when creating threads for synchronization some threads were being run faster than the others. We faced this problem primarily when calculating program counter. The solution we used was locks. We used locks to ensure that all of our threads would implement their critical section at the same speed.