

**The American University in Cairo  
School of Sciences and Engineering  
Department of Computer Science and Engineering**

**CSCE 4411 - Fall 2020  
Prof. Amr El-Kadi**

**Term Project**

**Due December 2nd, 2020.**

Strong mobility in UNIX systems could be supported by allowing a process to fork a child on a remote machine. Design and implement the system call *myfork* which semantically works exactly as a UNIX *fork* yet one extra parameter is needed which identifies the machine on which the child will be spawned and executed. Explain how this would work, provide details and design decisions taken. Do consider all aspects mentioned in lectures over the past weeks and do document your conducted survey results as part of your final report. Do make use of the supplemented papers as a good starting point for issues to consider.