Concurrency is a topical, hard problem in computer science. As more software systems come to require concurrent solutions we must examine the traditional methods for managing concurrency and the problems associated with it. This seminar aims to introduce and explore the problems associated with concurrent computation as well as examine one of the many proposed solutions. Software Transactional Memory is one family of solutions, characterized by optimistic treatments of threads and validation of transactions. We will explore one implementation of STM in Clojure's ref construct.

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