

Haydar, M. "Formal Framework for Automated Analysis and Verification of Web-based Applications" In *Proceedings of the 19th IEEE International Conference on Automated Software Engineering (ASE 2004)*. Linz, Austria, September 20-24, 2004.

Abstract

We present an ongoing Ph.D. research developing a formal approach for modeling an existing web application using communicating finite automata model. We build the automata from a recorded browsing session. The obtained model could then be used to verify user-defined properties of the application with a model checker. We present an implementation of the approach that uses the model checker Spin.