**Abstract for Artifact Evaluation**

**Paper title**: Benchmarking Automated GUI Testing for Android against Real-world Bugs

**Purpose of the artifact**: Our artifact, Themis, offers the first ground-truth empirical evaluation of automated GUI testing for Android, and gives the insights/answers to an overarching question "How effectively and thoroughly can these tools find crash bugs in practice?". Themis includes (1) a carefully constructed dataset with 52 real, reproducible crash bugs, and (2) a unified, extensible infrastructure with six recent state-of-the-art testing tools.

**Badge we are claiming**: Functional and Reusable

**Required technical skills**: The familiarity with Android is preferable.

**Artifact evaluation requirement**: We provide a VM image with VirtualBox for evaluation. Your computer needs at least 16G of memory, and at least 40G of storage. We do not have specific requirement on the operating system.