Accepted Manuscript

AATT+: Effectively manifesting concurrency bugs in Android apps

Jue Wang, Yanyan Jiang, Chang Xu, Qiwei Li, Tianxiao Gu et al.

PII:	S0167-6423(18)30104-7
DOI:	https://doi.org/10.1016/j.scico.2018.03.008
Reference:	SCICO 2202
To appear in:	Science of Computer Programming

4 August 2017

8 March 2018

11 March 2018

Received date: Revised date:

Accepted date:



Please cite this article in press as: J. Wang et al., AATT+: Effectively manifesting concurrency bugs in Android apps, *Sci. Comput. Program.* (2018), https://doi.org/10.1016/j.scico.2018.03.008

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Proposed an effective approach to detecting and manifesting concurrency bugs in Android apps based on interplay of event and schedule generation.
- Implemented a prototype tool AATT+ and evaluated it using real-world Android apps.
 Studied concurrency bugs in our experiments and identified common bug patterns.

Download English Version:

https://daneshyari.com/en/article/6875172

Download Persian Version:

https://daneshyari.com/article/6875172

Daneshyari.com