

Automated Support for Mobile Application Testing and Maintenance



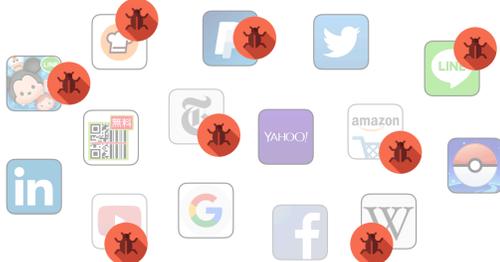
Mattia Fazzini
Georgia Institute of Technology

Mobile Applications

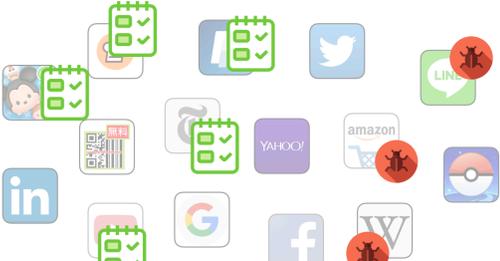


Testing and Maintenance

Bugs



Testing



Maintenance

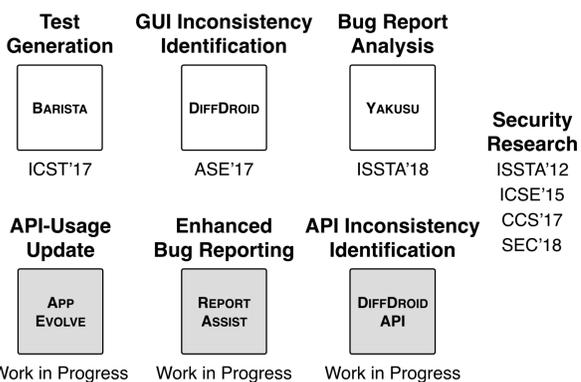


Research Goals

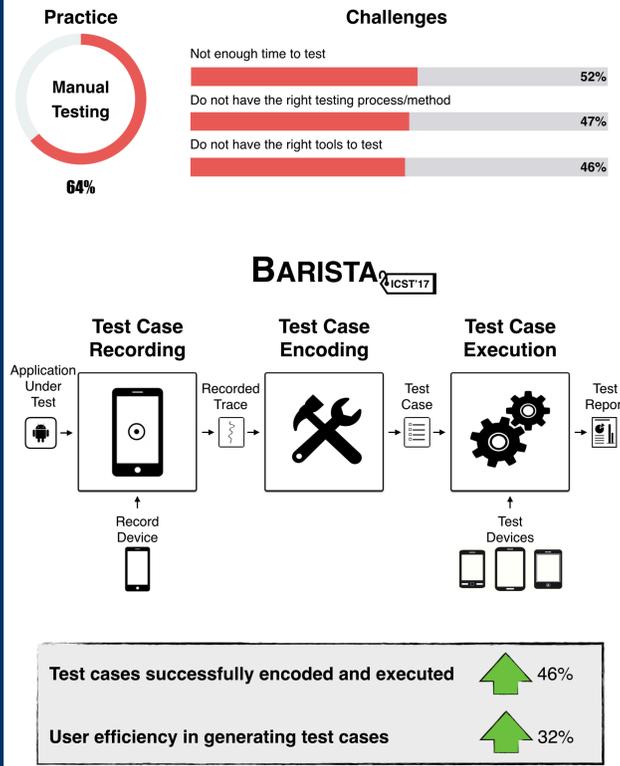
Find more bugs early with novel testing techniques

Effectively resolve bugs with novel maintenance techniques

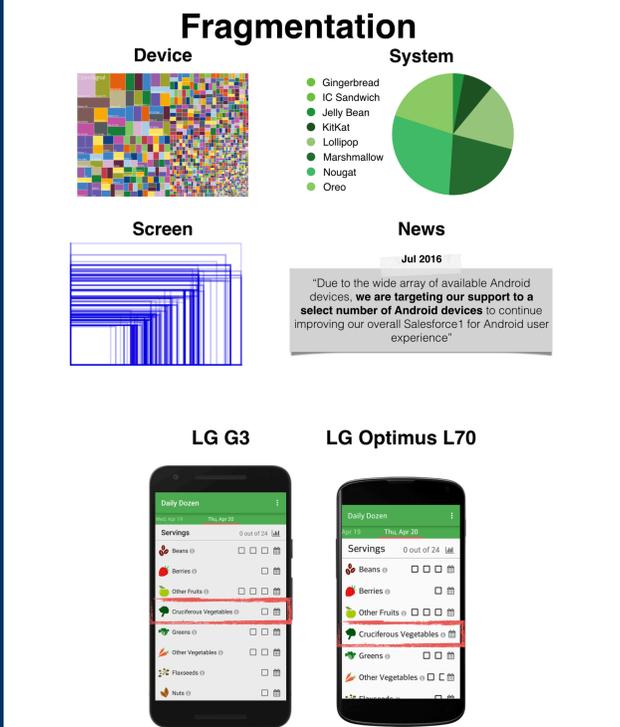
Research Outline



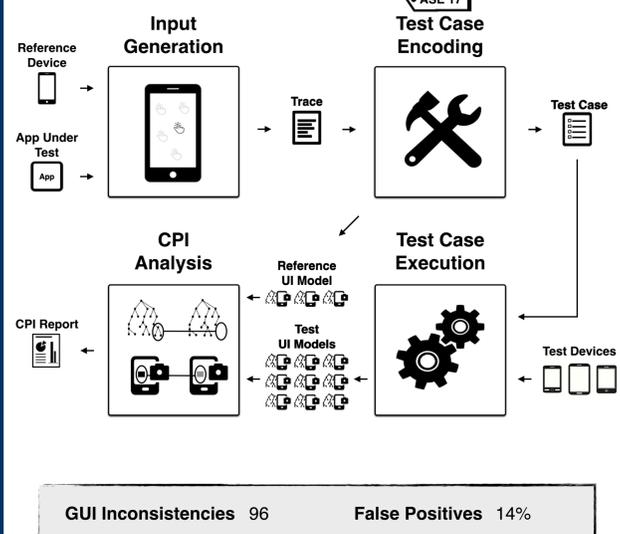
Test Generation



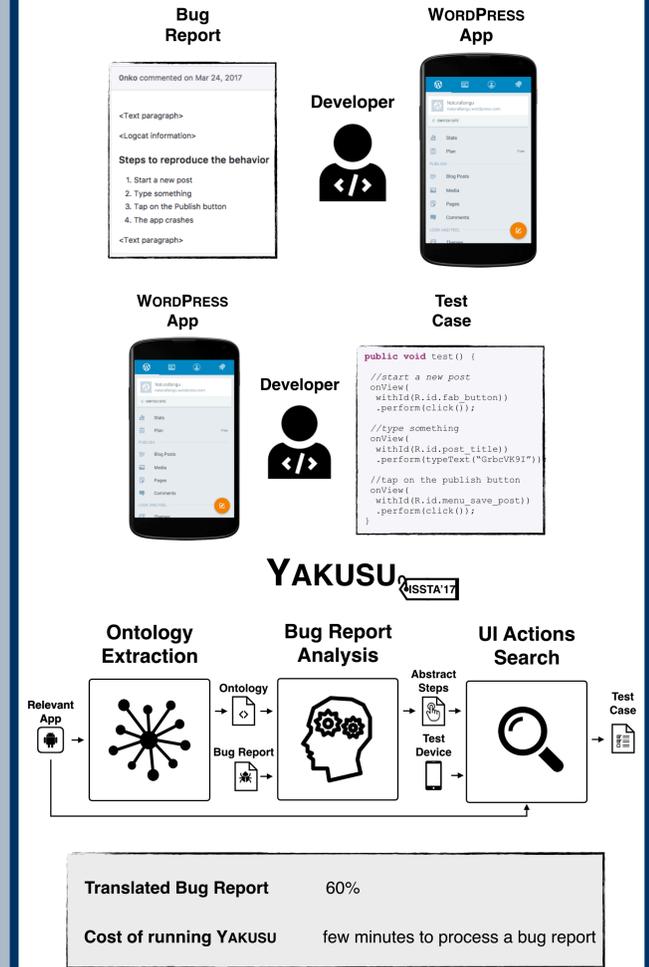
GUI Inconsistency Identification



DIFFDROID



Bug Report Analysis

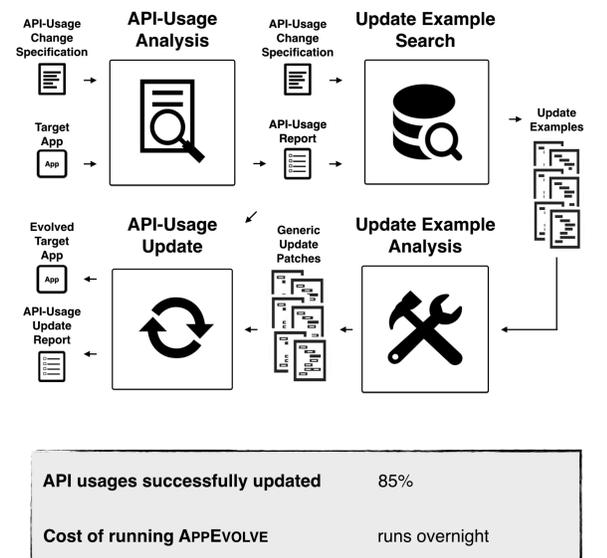


Work In Progress

App Evolution



APPEVOLVE



Research Directions

