

# Mobile App Crashes in Production

Lessons Learned from a Tester's viewpoint

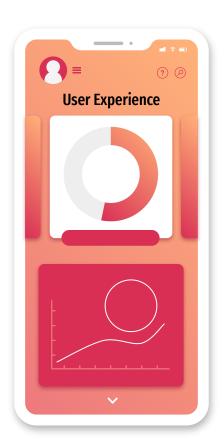


#### **About me**



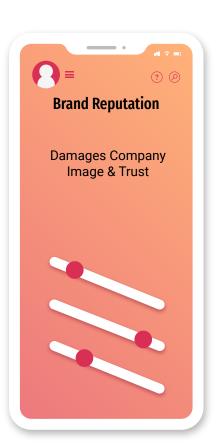


# Why this matters?

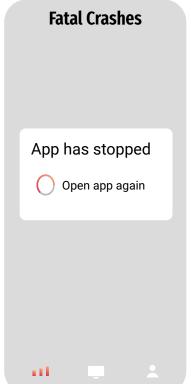


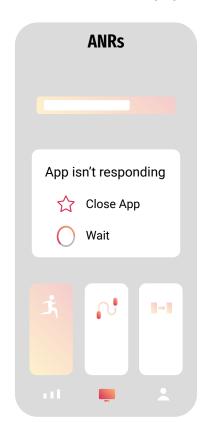
Crashes lead to frustration and potential app abandonment

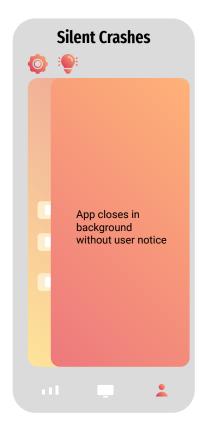




# **Types of Mobile App Crashes**

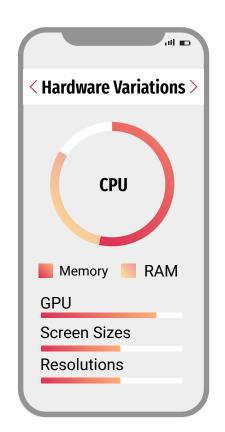








# **Common Causes: Device Diversity**

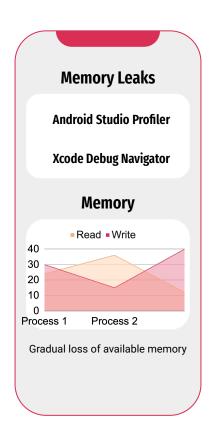






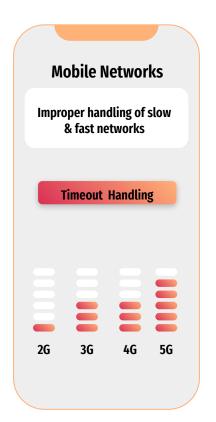
#### **Common Causes: Code Related Problems**

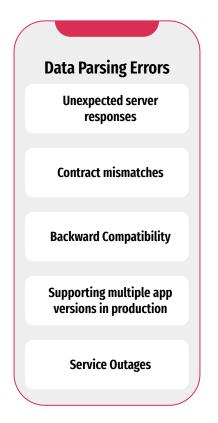






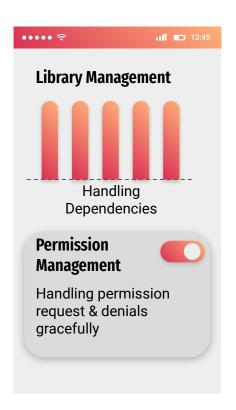
#### **Common Causes: Network Issues**

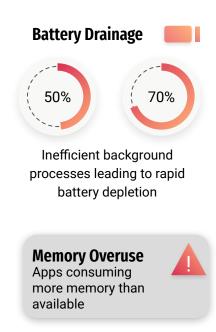






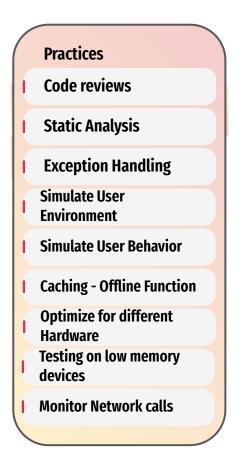
### **Common Causes: Resource Management**







## **Prevention Strategies**



#### **Comprehensive Testing**

Wider device coverage

Network simulation

**Interrupt Testing** 

**Upgrade Testing** 

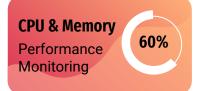
Different OS versions

Permission Handling

Data Caching

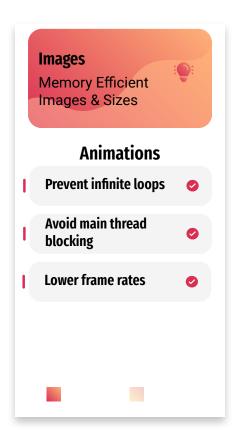
Sensors

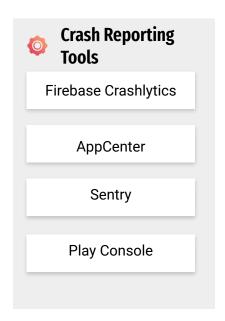
Integrations





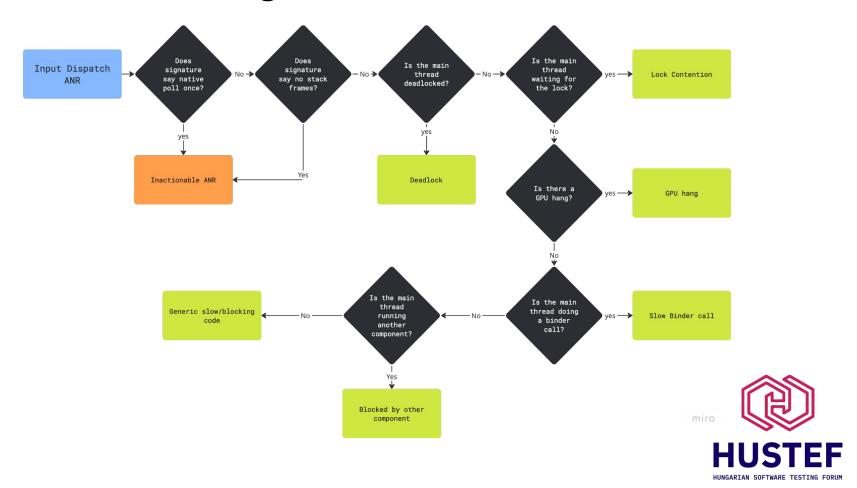
# **Prevention Strategies**







# **Diagnose and Fix ANR's**



#### **Tools**







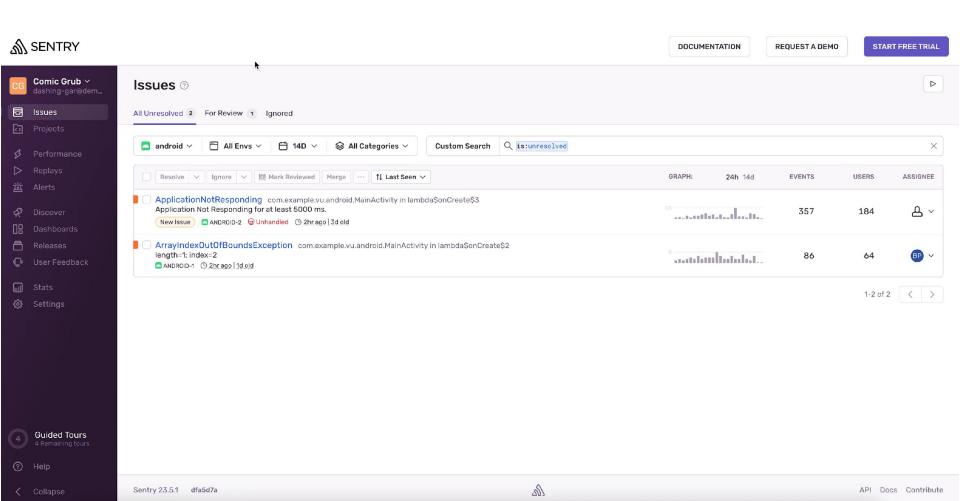












# **Questions?**



