

Debugging Your App and Resolving Errors



Jim Wilson

MOBILE SOLUTIONS DEVELOPER & ARCHITECT

@hedgehogjim blog.jwhh.com



What to Expect from This Module



Breakpoints and code stepping

Conditional breakpoints

Variable and property viewing

Resolving unhandled exceptions

Logcat

Logging App Information



Logcat

System for recording log information



Log class

Provides methods for writing to logcat

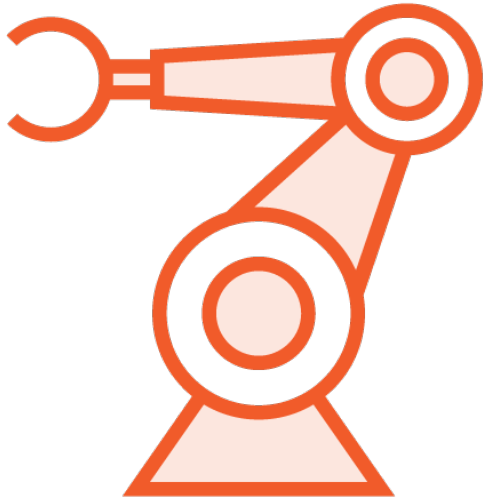


Android Studio

Displays logcat logs
Can search and filter



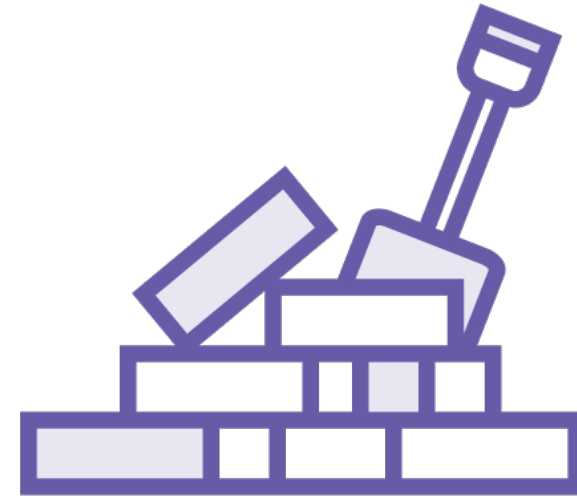
Logging App Information



Automatically captures some Info

Date/time stamp

Process information



App provides other info

Message

Tag

Priority

Log Priority



Viewing entries by priority

Can filter by priority

Displays entries at the selected
priority and higher



Indicating log entry priority

Each entry has specific priority

Separate Log class method for each



Log Priority



More
Inclusive



Priority	Label	Log Method



More
Severe



Summary



Debugger can control code execution

- Breakpoints
- Breakpoints can have conditions
- Code stepping

Debugger can display data values

- View variable and property values
- On-the-fly statement evaluation

Summary



Resolving unhandled exceptions

- Crash information in Android Studio Debug window's Console tab
- Shows exception and call stack
- Provides links to app source code lines

Logcat

- System for recording log information
- Write entries with Log class
- Can view, filter and search using Android Studio Logcat window

