**Log messages**

Logging is the process of recording messages to describe events that have occurred while running your software. Let's take a look at a few examples, and learn tips for writing good log messages.

**Tip: Be professional and clear**

Bad: Hmmm... this isn't working???

Bad: idk.... :(

Good: Couldn't parse file.

**Tip: Be concise and use normal capitalization**

Bad: Start Product Recommendation Process

Bad: We have completed the steps necessary and will now proceed with the recommendation process for the records in our product database.

Good: Generating product recommendations.

**Tip: Choose the appropriate level for logging**

*Debug*: Use this level for anything that happens in the program. *Error*: Use this level to record any error that occurs. *Info*: Use this level to record all actions that are user driven or system specific, such as regularly scheduled operations.

**Tip: Provide any useful information**

Bad: Failed to read location data

Good: Failed to read location data: store\_id 8324971