Kendall Berner, Christian Shinkle, William Fuhrmann, Ben Trettin
Com S 362
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Group Exercise #2

Project 1: Elasticsearch
Description:
- What: A distributed RESTful Search engine for cloud-based applications.
- Intended Users: Developers of cloud-computing software with a need for a search engine.
- When: First commit was February 2010
- Size: 30,000+ commits
- Contributors: 954
- Documentation:

Bug/feature stack:
- Total Entries: 15,193
- Close Rate: Approx. 800 over last 6 months
- New Rate: Approx. 200 over last 6 months
- Feature Requests:
  - Composite aggregation as child aggregation
  - Add support for specifying multiple ids in the percolate query
  - Histograms return the next key after lat bucket
  - Significant text - Nested Object support
  - Computing correlation for aggregated results on fly
- Automated Tests: Groovy unit testing are used to implement Junit testing.

Project 2: RxJava
Description:
- What: A library for composing asynchronous and event-based programs using observable sequences for the Java VM.
- Intended Users: Developers that want an easier way to write asynchronous code in Java without having to worry about issues like thread safety or synchronization.
- When: First commit was March 18, 2012
- Size: 5,000+ commits
- Contributors: 187
- Documentation: Thorough JavaDoc style documentation

Bug/feature stack:
- Total Entries: 2,313
- Close Rate: 200 in past 6 months
- New Rate: 150 in past 6 months
- Feature Requests:
  - Improve onSchedule hook implementation

- ○ Add toMap overload with a merge function for updating existing mappings (Version 2.x)
  - ○ Make Scheduler implement a Clock interface (Version 2.x)
  - ○ Add completable lambda-subscribe() with onSubscribe parameter to provide Disposable
  - ○ Fix wrapping error signaled after unsubscription into UndeliverableException (Version 2.x)
- ● Automated Tests: JUnit