

## Ideation Document

### Name of the problem statement:

Problem statement- 2: Method-trace Analyser

### Problem Statement-2

Method Trace Analyse is a real-life based problem which aims to make the work of understanding method trace log easier and less time consuming. These method trace logs can contain time stamp, event type, event summary, jstacktrace and much more.

### Team Details:

Team Name: JavaMonks

Team Size: 2

Team Members:

1. Member 1: Manjot Singh Sidhu

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2. Member 2: Harsimran Kaur Sidhu

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### Scope of work

Method Trace Analyser is very useful in case of tracing huge data, the application can be embedded in IBM library and developers can take advantage of its efficiency and time factor. In this way, debugging code will fully become fully automated and can be used for big java applications.

### Technologies/Platform/APIs to be used

- OpenJDK 8
- NetBeans IDE 8.2
- Apache Maven 3.39
- JAVA Swing API for GUI rendering
- Apache Commons IO for reading File to String
- JGraphX for rendering graphs (bar graph)
- MXGraph for rendering code flow

### Role of Each Team Member

#### Manjot Singh Sidhu

- Solution Architecture, Design and Development
- Project Lead

#### Harsimran Kaur Sidhu

- UI/UX Design and Development
- Testing and Documentation, PowerPoint Presentation