# Game of Thread – A SW Competition

# Presented by NXP board

**Submission Form**

Please fill all the items and send the form to [arun.pathak@nxp.com](mailto:arun.pathak@nxp.com) and [naveen.kothiyal@nxp.com](mailto:naveen.kothiyal@nxp.com).

Please make sure the links shared in this doc are accessible.

1. Team name

“The Lonely Loner”

1. Names and email addresses of the team member

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **NXP id** | **email** | **BU/BLs** | **Location** |
| Sudhanshu Gupta | Nxf29631 | [Sudhanshu.gupta@nxp.com](mailto:Sudhanshu.gupta@nxp.com) | DN | Noida |
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1. Share the Link to 2-page presentation

Repo : https://github.com/softwaresunleashed/dog.git

Folder : **demo\_artifacts**

**File : DOG-DebugOnGo.pptx**

1. Share the Link to Demo Video
2. Share the Link to Code base

Repo : https://github.com/softwaresunleashed/dog.git

1. Share the Link to User manual (please do mention the know issues with your solution)
2. What were the main technical problems you encountered and how did you solve them?

* How to read from SQLite database via Android Java APIs
* How to add description of ARM core registers not part of SQLite DB
* Parsing and displaying of ARM core registers (XML Parsing)

1. What were the main non-technical problems you encountered and how did you solve them?

* Designing the system, so that UI is seamless and less complex to the user.
  + My App landing page is simple with just few self explanatory buttons.

1. Self-Evaluate your solution on the following parameters

|  |  |  |
| --- | --- | --- |
| **parameter** | **Score (1-5)** | **Reason for this scoring** |
| **Use cases handled** | 4 | Basic use case handled. Corner cases (if any) may need to be identified. |
| **Longevity** |  |  |
| **Complexity** | 1 | * Not so complex system. Programming is Object Oriented and loosely coupled. * Design allows for easy addition of new fields |
| **Ease of use** | 5 | Two Step Process to analyze the captured dump. |
| **innovation** | 5 | 1. The solution allows users to analyze dump anywhere anytime, without the need of laptop 2. No manual update required. The app is automatically updated on installed phones. 3. Adding a new NPI is as simple as adding a single line of code |

1. Feedback to organizers