# 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

<https://www.youtube.com/watch?v=EdFUr0h8Xvo>

1. 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)

Demo Video & Usage Guide : <https://www.youtube.com/watch?v=EdFUr0h8Xvo>

**“User Manual Integrated in Android App itself as New User Guide at App bootup**

1. 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) which are not part of CW DB

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** | 4 | * Supports Android Lolipop and above. * Can run on latest Android OS (is backward compatible) |
| **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