Executive Summary — *Project: RootBeer Library*

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Forked Repository: https://github.com/miko836/2025-F-GROUP2-RR-XR

What's Working, What's Under Pressure

- **Consistent Feature Maintenance:** The library is being kept up to date with new Android OS requirements (e.g. page size changes, removal of SELinux flag behavior). That's good; shows responsiveness to platform evolution.

- **Open Issues Volume:** There are several open issues including "Write after free", "Support 16 KB page sizes", "Lib Not detecting when app is in DenyList of Magisk", etc. Some of these are security‑sensitive or could impact correctness.

- **Gap in Recent Commits / Momentum (possible slow-down):** While version 0.1.1 is recent, I did *not* find a large burst of activity in the public commit history since then (from what I checked); contributions may be tapering.

Who is Doing the Work

- **Top Contributors (recent):**
  - *scottyab* is the primary maintainer, author of many of the most recent high‑impact commits.
  - *ArtsemKurantsou* and *KavilDPal* also appear in recent version changes.

- **Possible Under‑utilized / Idle Contributors:**
  - Several contributors are listed historically but I found little to no recent commit activity from many. If we needed to scale up, some of these could be reactivated or replaced.

Tools & Methods Used in Analysis

- Used `git log --pretty=format:"%an|%ad"` to extract author names + dates for each commit per file.

- Aggregated by week (using e.g. `git log --date=short` and converting dates to week numbers in Python/pandas) to see recent momentum.

- Cross-referenced GitHub Releases page and Issues page to identify features vs outstanding problems.