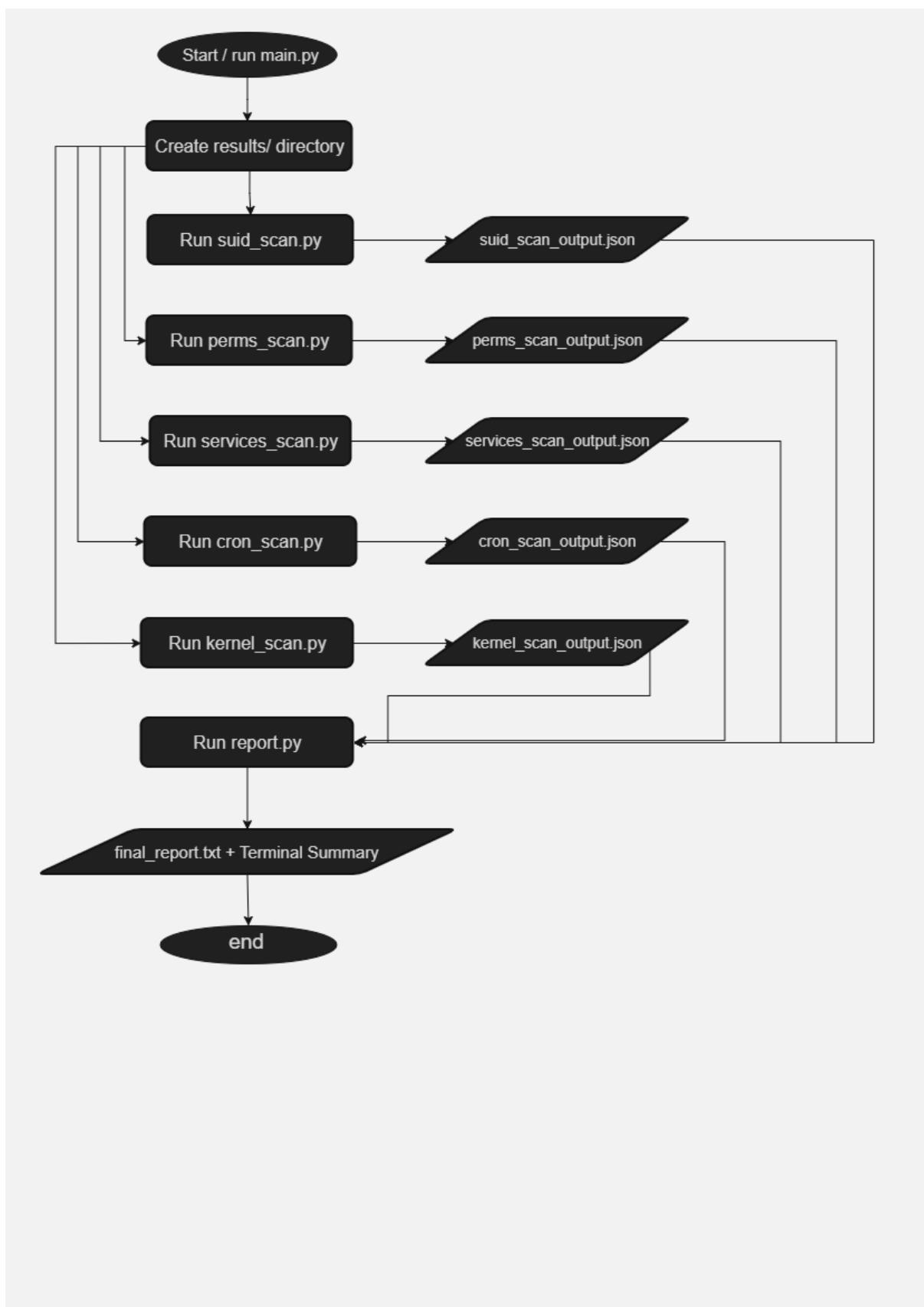


Flowchart :



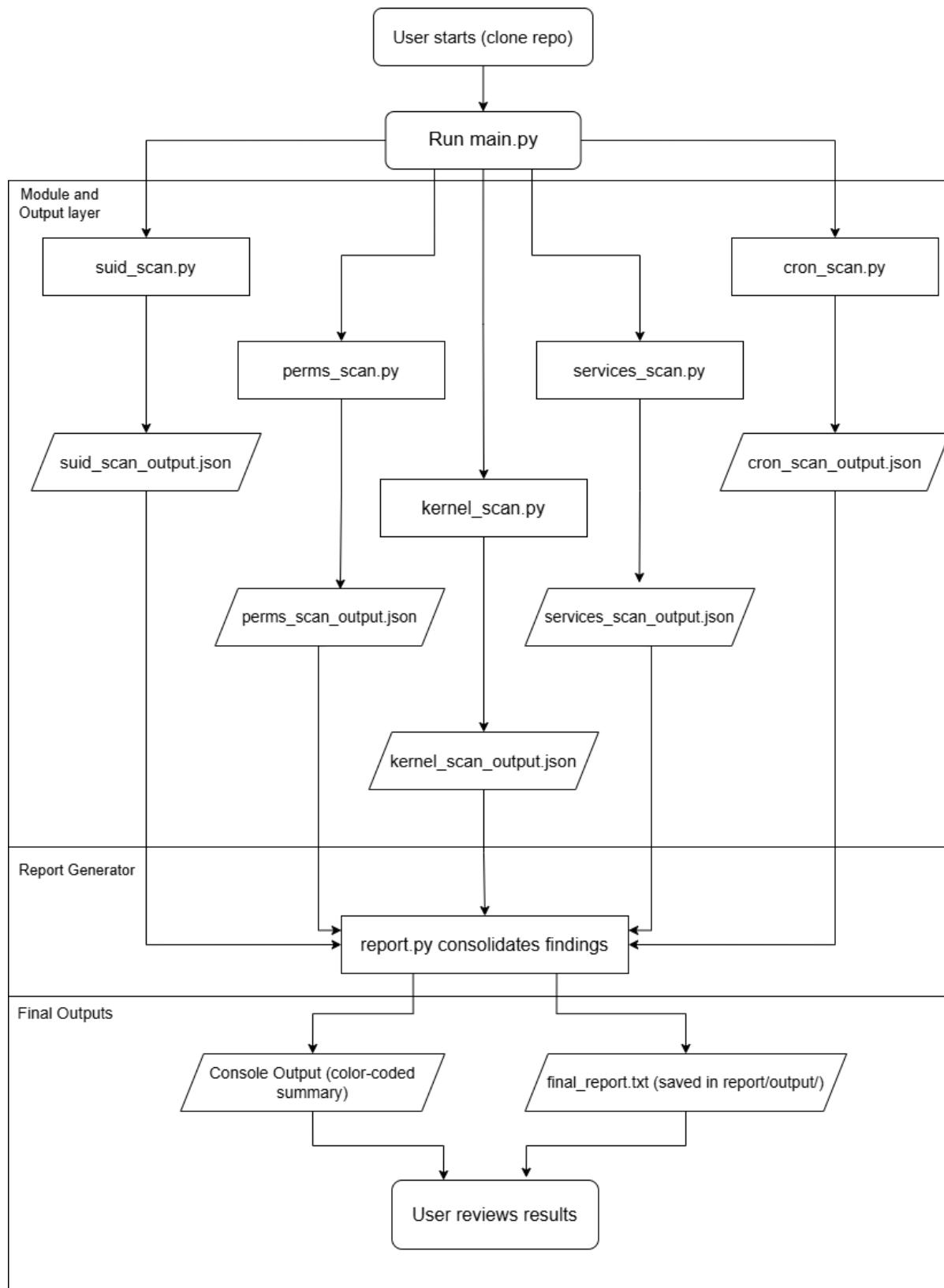
Flowchart Explanation

The flowchart illustrates the **internal process** of the Linux Privilege Escalation Toolkit.

- It begins with the execution of main.py, which sets up the environment and creates the results directory.
- Each scanning module (suid_scan.py, perms_scan.py, services_scan.py, cron_scan.py, and kernel_scan.py) runs independently and generates its own JSON output file.
- These outputs are then collected by report.py, which consolidates the findings into a final report (final_report.txt) and also displays a summary in the terminal.
- The process concludes with the end node, showing that all modules have completed and the report is ready.

This diagram helps visualize how the toolkit moves step-by-step from initialization to producing structured outputs.

WorkFlow Diagram :



Workflow Diagram Explanation

The workflow diagram shows the **user's perspective** when operating the toolkit.

- The process starts when the user clones the repository and runs main.py.
- The scanning modules execute in parallel, each producing a JSON log file with its findings.
- These logs are passed into the report generator (report.py), which consolidates everything.
- The user then receives two outputs: a color-coded summary in the console and a saved final_report.txt file in the output directory.
- Finally, the user reviews the results to understand potential privilege escalation vectors.

This diagram highlights the overall workflow from user action to final results, making it clear how the toolkit is used in practice.
