**Test Summary Report – COVID-19 Cases Tracker**

**1. Project Name:**

COVID-19 Cases Tracker

**2. Prepared By:**

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**3. Objective:**

To validate that the application meets functional and usability requirements — including accurate COVID-19 data scraping, notification delivery, and file export in multiple formats.

**4. Test Environment:**

* **OS:** Windows 10/11
* **Tools Used:** Manual Testing, Tkinter GUI, Browser (for validation), Excel
* **Python Version:** 3.x
* **Libraries Used:** Tkinter, Requests, BeautifulSoup, Pandas, Plyer

**5. Scope of Testing:**

* UI Validation
* Functional Testing
* Negative & Boundary Testing
* File Export Testing (CSV/HTML/JSON)
* Data Integrity Validation
* Compatibility Testing (screen resolution)

**6. Test Metrics:**

|  |  |
| --- | --- |
| **Metric** | **Value** |
| Total Test Cases Executed | 30 |
| Positive Test Cases | 15 |
| Negative Test Cases | 15 |
| Passed | 26 |
| Failed | 4 |
| Defects Logged | 10 (see bug report) |
| Major Defects | 3 |
| Minor Defects | 7 |

**7. Summary of Defects:**

|  |  |  |
| --- | --- | --- |
| **Severity** | **Count** | **Example Bug IDs** |
| High | 3 | BUG\_01, BUG\_05, BUG\_02 |
| Medium | 4 | BUG\_04, BUG\_08, BUG\_06 |
| Low | 3 | BUG\_09, BUG\_10, BUG\_03 |

**8. Exit Criteria:**

* Minimum 90% test cases passed.
* All high severity bugs fixed or accepted.
* Exported files validated.
* App behavior consistent across multiple test runs.

**9. Conclusion:**

The COVID-19 Tracker passed most critical test cases. High severity bugs were identified and documented. The application is acceptable after resolving the reported high priority issues.