# **TaskCore - Monthly Timeline for Project Development and Reporting**

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| **Month** | **Week** | **Work Description** |
| June | Week 4 (28 June) | Final Title Submission + Intro Presentation |
| July | Week 1 – 2 | Refine feature list, finalize modules, sketch UI (hamburger layout) |
| Week 3 | Begin WPF project setup, implement base UI and hamburger menu layout |
| Week 4 *(26 July)* | **Requirement Analysis + Final Workflow Submission** Present final module flow and UI plan |
| August | Week 1 | Build process list module (Name, PID, RAM, CPU, Path) using Process API + WMI |
| Week 2 | Add TreeView structure for parent/subprocess grouping with expand/collapse |
| Week 3 | Implement End Task + Admin check logic |
| Week 4 (30 Aug) | **Demo 1–2 Modules** Show: process list, TreeView, End Task working |
| September | Week 1 | Add memory filter + auto-refresh logic (1s values, 5s structure reload) |
| Week 2 | Optimize memory usage: cache icons, reduce load, cap under 200MB |
| Week 3 | Add graphs tab (LiveCharts2 for CPU & RAM), basic watchdog tab (blacklist detection) |
| Week 4 (27 Sept) | Final Demo + Submission |

* **Advanced Functionality (Time-Permitting Enhancements)**

If development progresses ahead of schedule and time allows, the following advanced features will be implemented to extend the capabilities of TaskCore:

1. **Search and Filters**
   * Implement search functionality to locate tasks by name, PID, or memory usage.
   * Add advanced filters (e.g., show only processes above a certain RAM threshold).
2. **Detailed Task Information**
   * Show extended process details such as executable path, thread count, start time, and version info when a process is selected.
3. **RAM Cleanup Utility**
   * Identify memory-heavy or idle background processes and allow the user to clean up RAM safely with one-click termination options.
4. **Watchdog Monitoring System**
   * Monitor a blacklist of banned processes (e.g., games, tools) and alert the user if they are launched.
   * Future potential to auto-kill or log such processes.