Below is the **Definition of Done (DoD)** document, reflecting the **complete** set of quality criteria established in the project to date. It consolidates the criteria used across all sprints and ensures a shared understanding of when a **Product Backlog Item** (PBI) or **User Story** is considered “done.”

**Definition of Done (DoD)**

1. **Functionality & Acceptance Criteria**
   * The PBI’s functionality matches the **Acceptance Criteria** agreed upon in the backlog (e.g., tasks can be added, toggled, deleted, archived, etc.).
   * Any UI elements described in the story (buttons, input fields, popups, or visual cues) are **implemented and functional**.
2. **Code Integration & Build**
   * The code is **merged** into the main branch (or trunk) without conflicts.
   * The application **builds and runs** without errors or warnings (if using a build system/toolchain).
   * All **automated checks** (linting, basic tests, etc.) pass.
3. **Peer Review & Quality Checks**
   * Each feature branch undergoes a **peer code review** to ensure code quality, clarity, and consistency.
   * Suggestions from reviewers are addressed before merging.
4. **No Known Critical Defects**
   * Any **critical** or **blocking** defects discovered during development or testing are fixed or have a documented workaround (if closing the story is still deemed acceptable by the Product Owner).
   * Non-critical issues may be logged as separate backlog items or bugs but do not block the item from being “done.”
5. **UI/UX Compliance**
   * The **UI is functional and user-friendly** according to acceptance criteria.
   * Buttons, text fields, and interactions **align with the project’s UI/UX guidelines**, including responsiveness and basic design consistency.
6. **Local Storage / Data Persistence** (Where Applicable)
   * All relevant data (e.g., task lists, archive lists, important tasks) **accurately saves** to localStorage or the chosen persistence layer.
   * Upon refresh or reopening the application, the data is **correctly retrieved** and displayed.
7. **Accessibility Checks**
   * The solution meets the **agreed-upon accessibility standards** (e.g., proper semantic HTML, keyboard navigation, screen reader compatibility) where required by the acceptance criteria.
   * ARIA labels, roles, and correct markup are used **if** the User Story or sprint includes accessibility-related tasks.
8. **Documentation & Comments**
   * **Inline comments** in the code clarify key functions or nontrivial logic.
   * If relevant, the **README.md** or similar documentation includes:
     + Setup instructions.
     + Usage notes.
     + Descriptions of any new APIs or data structures introduced (e.g., for localStorage).
   * Any new or updated **UI elements** or **dependencies** are explained briefly.
9. **Testing & Verification**
   * **Manual testing** has been performed to confirm the user story meets its acceptance criteria end-to-end.
   * If automated tests (unit or integration) are part of the sprint, they must be **written, pass, and remain green** in the pipeline.
   * **Post-merge sanity check**: The team confirms the merged changes do not break existing functionality.
10. **Potential Impact on Future Features**

* The team has **considered dependencies** or potential impacts to future stories (e.g., data structure changes that might affect the “Important Tasks” feature).
* Any significant architectural or design decisions made are documented and **communicated** to the wider team.

**Compliance and Continuous Improvement**

* This **Definition of Done** applies to **all** Product Backlog Items at the time of sprint completion.
* If any item fails to meet one or more criteria, it is **not** considered “done” and typically remains **in progress** or is moved back to the backlog.
* The DoD can evolve based on **retrospectives**, team feedback, or new requirements (e.g., adding new steps for security checks or more advanced testing as the product grows).