Answer 8: GANTT Chart:

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| **Tasks** | **Description** | **Duration** | **Resource** |
| **Requirements Gathering (RG)** | Collecting and documenting all requirements from stakeholders. Meetings, interviews, and workshops with users and business owners to understand their needs. | 2 weeks | Business Analyst |
| **Requirements Analysis (RA)** | Analysing gathered requirements to ensure they are complete, clear, and feasible. Identifying any potential issues and creating a requirement specification document. | 2 weeks | Business Analyst |
| **Design** | Creating high-level and detailed design documents. Establishing architecture and design patterns. Planning for system and data flow. | 2 weeks | BA, Developers |
| **D1 (Design Phase 1)** | Development of initial components based on the design document. Setting up the development environment. | 2 weeks | Developers |
| **T1 (Testing Phase 1)** | Initial testing of developed components. | 1 week | Testers |
| **D2 (Design Phase 2)** | Development of the next set of components. | 2 weeks | Developers |
| **T2 (Testing Phase 2)** | Testing the newly developed components. | 1 week | Testers |
| **D3 (Design Phase 3)** | Continuation of development. Refining and adding more features to the system. | 2 weeks | Developers |
| **T3 (Testing Phase 3)** | More thorough testing of the system. | 1 week | Testers |
| **D4 (Design Phase 4)** | Final development phase. Completing all remaining features and functionality. | 2 weeks | Developers |
| **T4 (Testing Phase 4)** | Final testing phase. | 1 week | Testers |
| **UAT (User Acceptance Testing)** | Final phase where end-users test the system. Ensuring it meets all requirements and is ready for deployment. | 2 weeks | BA, PM, Testers, DB Admin, NW Admin |