# Task Dependencies Table

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| Dependent Task | Depends On | Dependency Type | Internal/ External | Mandatory/ Discretionary |
| Gather Requirements | Define Project Goals and Scope | FS | Internal | Mandatory |
| Research Healthcare Regulations | Gather Requirements | FS | Internal | Mandatory |
| Design basic UI models | Research Healthcare Regulations | FS | Internal | Mandatory |
| Collect feedback and iterate | Design basic UI models | FS | Internal | Mandatory |
| Implement final UI design | Collect feedback, Plan System, DB Design | FS | Internal | Mandatory |
| Develop database structure | Research Healthcare Regulations | FS | Internal | Mandatory |
| Plan overall system design | Research Healthcare Regulations | FS | Internal | Mandatory |
| Create APIs for booking system | Design Complete | FS | Internal | Mandatory |
| Create API for user registration/login | Booking API | FS | Internal | Mandatory |
| API for sending notifications | Registration/Login API | FS | Internal | Mandatory |
| Calendar API integration | Notifications API | FS | Internal | Mandatory |
| Develop Scheduling UI | Calendar Integration | FS | Internal | Mandatory |
| Rescheduling UI | Scheduling UI | FS | Internal | Mandatory |
| Cancellation UI | Rescheduling UI | FS | Internal | Mandatory |
| Unit test features | Development Complete | FS | Internal | Mandatory |
| Integration testing | Unit testing | FS | Internal | Mandatory |
| End-to-end testing | Integration testing | FS | Internal | Mandatory |
| Collect feedback (UAT) | End-to-end testing | FS | Internal | Mandatory |
| Make adjustments from UAT | Feedback collection | FS | Internal | Mandatory |
| Publish on app stores | Adjustments from UAT | FS | Internal | Mandatory |
| App Store Optimization | App Published | FS | Internal | Discretionary |
| Create marketing materials | Adjustments from UAT | FS | Internal | Discretionary |
| Promote to healthcare providers & users | Marketing materials created | FS | Internal | Discretionary |
| Final Launch | App Optimized & Promotion Complete | FS | Internal | Mandatory |