**Part 3 Project Schedule Management**

**Team Members**

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1A)

User Stories

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| --- | --- | --- | --- |
| Feature | Story Points | Complexity | Notes |
| Fitness Tracker | 3 | Moderate | Requires data storage system implementation. |
| Medication Tracker | 5 | Complex | Electronic pillbox with calendar and alarms. |
| Electronic Address Book | 2 | Simple | Secure database for contact data. |
| Emergencies List | 8 | Highly Complex | Integrates GPS mapping software for emergency locations. |
| Emergency Information List | 3 | Moderate | Secure storage for emergency information. |
| Resources Feature | 2 | Simple | Provides links to health websites. |
| Payment Feature | 5 | Complex | Integrates a secure payment system. |

Technical Tasks

|  |  |  |  |
| --- | --- | --- | --- |
| Feature | Story Points | Complexity | Notes |
| Fitness Tracker | 3 | Moderate | Data storage system for health information. |
| Medication Tracker | 5 | Complex | Electronic pillbox with alarms. |
| Electronic Address Book | 2 | Simple | Secure database for contact data. |
| Emergencies List | 8 | Highly Complex | Integrates GPS mapping for emergency locations. |
| Emergency Information List | 3 | Moderate | Secure storage for emergency information. |
| Resources Feature | 2 | Simple | Links to health websites. |
| Payment Feature | 5 | Complex | Secure payment system integration. |

* Based on complexity and value, features like the Emergency List and Medication Tracker might require more development time.
* Complex tasks like GPS integration and secure payment systems might need dedicated developers.
* We must ensure that we allocate time for user testing and feedback loops to ensure a userfriendly app.

**2A)**

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| --- | --- | --- | --- |
| **Weeks** | **Deliverables** | **Milestones** | **Sprint** |
| **1-2** | **- Project scope and objectives defined. Project environment and tools set up. User stories and technical tasks reviewed. Sprint 1 planned and tasks broken down. Fitness tracker data storage system developed.** |  | **Pre-Sprint 1** |
| **3-4** | **- Fitness tracker developed. Sprint 1 results reviewed and evaluated. Sprint 2 planned, and tasks broke down. Medication tracker (electronic pillbox with alarms) developed.** | **Project Kickoff** | **Sprint 1** |
| **5-6** | **- Medication tracker developed. Sprint 2 results reviewed and evaluated. Sprint 3 planned and tasks broken down. Electronic address book (secure database for contact data) developed. Completed features integrated.** | **MVP Completed** | **Sprint 2** |

**3A)**

**It's difficult to finish the project within 6 weeks (3 sprints) after a closer look at the schedule. The time needed to complete each task and its difficulty show how complicated each feature is and how much work it takes to make it work. The Emergencies List is the most difficult task, with a complexity rating of 8 and a projected duration of 6 weeks. It needs careful planning and execution to integrate GPS mapping for emergency locations. This feature alone takes up a large portion of the project time, showing how complex it is and how many unexpected problems it could have. The Payment Feature also needs a lot of work, with a complexity rating of 5 and a duration of 8 weeks. This is because it's hard to make a secure payment system that works well. Because these key features are so complex, it's best to look at the project timeline again. A more realistic timeframe for the MVP would be longer than the 6 weeks that were originally proposed. Considering the complexity of the tasks, possible dependencies, and the need for thorough testing and refinement, a revised timeline should strike a balance between efficiency and delivering a robust and high-quality healthcare app. It's important to manage expectations and communicate any changes to project stakeholders to make sure everyone has a clear and realistic understanding of the development timeline.**

**4A)**

**Weeks 1-2: Planning and Setup**

**1. Define Project Scope and Objectives (2 days)**

**2. Set Up Project Environment and Tools (3 days)**

**3. Review User Stories and Technical Tasks (2 days)**

**4. Sprint 1 Planning and Task Breakdown (3 days)**

**5. Develop Fitness Tracker - Data Storage System (8 days)**

**Weeks 3-4: Sprint 1 Execution and Sprint 2 Planning**

**1. Sprint 1 Execution: Fitness Tracker (8 days)**

**2. Review and Evaluate Sprint 1 Results (2 days)**

**3. Sprint 2 Planning and Task Breakdown (3 days)**

**4. Develop Medication Tracker - Electronic Pillbox with Alarms (12 days)**

**Weeks 5-6: Sprint 2 Execution and Finalization**

**1. Sprint 2 Execution: Medication Tracker (10 days)**

**2. Review and Evaluate Sprint 2 Results (2 days)**

**3. Sprint 3 Planning and Task Breakdown (3 days)**

**4. Develop Electronic Address Book - Secure Database for Contact Data (8 days)**

**5. Finalize Integration of Completed Features (5 days)**

**Milestones:**

**1. Completion of Fitness Tracker - Data Storage System**

**2. Completion of Medication Tracker - Electronic Pillbox with Alarms**

**3. Completion of Electronic Address Book - Secure Database for Contact Data**

**4. Integration of GPS Mapping for Emergency Locations**

**5. Secure Storage for Emergency Information Implemented**

**6. Links to Health Websites Feature Added**

**7. Secure Payment System Integration Completed**

**Weeks 7-8: Sprint 3 Execution and Sprint 4 Planning**

**1. Sprint 3 Execution: Electronic Address Book (8 days)**

**2. Review and Evaluate Sprint 3 Results (2 days)**

**3. Sprint 4 Planning and Task Breakdown (3 days)**

**4. Develop Emergencies List - GPS Mapping Integration (10 days)**

**Weeks 9-10: Sprint 4 Execution and Sprint 5 Planning**

**1. Sprint 4 Execution: Emergencies List (8 days)**

**2. Review and Evaluate Sprint 4 Results (2 days)**

**3. Sprint 5 Planning and Task Breakdown (3 days)**

**4. Develop Emergency Information List - Secure Storage (10 days)**

**Weeks 11-12: Sprint 5 Execution and Sprint 6 Planning**

**1. Sprint 5 Execution: Emergency Information List (8 days)**

**2. Review and Evaluate Sprint 5 Results (2 days)**

**3. Sprint 6 Planning and Task Breakdown (3 days)**

**4. Develop Resources Feature - Links to Health Websites (8 days)**

**Weeks 13-14: Sprint 6 Execution and Finalization**

**1. Sprint 6 Execution: Resources Feature (8 days)**

**2. Review and Evaluate Sprint 6 Results (2 days)**

**3. Integration of All Completed Features (7 days)**

**4. User Acceptance Testing (UAT) and Feedback (5 days)**

**Weeks 15-16: Final Iteration and Release Planning**

**1. Address UAT Feedback and Make Final Adjustments (7 days)**

**2. Sprint 7 Planning and Task Breakdown (3 days)**

**3. Finalize Secure Payment System Integration (10 days)**

**4. Release Planning and Coordination (5 days)**

**Milestones:**

**1. Completion of Emergencies List - GPS Mapping Integration**

**2. Completion of Emergency Information List - Secure Storage**

**3. Completion of Resources Feature - Links to Health Websites**

**4. Integration of All Features Completed**

**5. User Acceptance Testing Completed**

**6. Final Secure Payment System Integration**

**5A)**

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