**Agile Sprint Plan (roadmap)  
Sprint 0: Setup & Planning**

* **Project Kick-off:**
  + Define project goals, scope, and success criteria.
  + Finalize tech stack & architecture (ASP.NET MVC, EF, MySQL, ASP.NET Identity, etc.).
* **Environment Setup:**
  + Setup development environment, repositories, CI/CD, and project management tools.
* **Initial Database & API Design:**
  + Create initial database schema.
  + Design API endpoints and wireframes for core features.

**Sprint 1: MVP – Core Functionality**

Focus on the essential features needed for a functional system.

1. **User Account Management & Security:**
   * Implement user registration, login, password reset.
   * Integrate ASP.NET Identity for role-based access (Admin, Front Desk, Housekeeping, Guest).
2. **Room Inventory Management:**
   * Develop CRUD functionality for hotel rooms.
   * Implement room categorization (Standard, Deluxe, Suite) and status updates (Vacant, Occupied, Under Maintenance).
3. **Booking and Reservation System:**
   * Create booking form and process for online and front desk reservations.
   * Enable immediate confirmation and advanced booking functionality.
4. **Check-in and Check-out Processing:**
   * Develop digital check-in and check-out processes.
   * Update room assignments and booking statuses.
5. **Payment Processing & Billing:**
   * Integrate GCash (and placeholders for other methods) for processing payments.
   * Generate digital receipts and manage payment statuses.
6. **Basic Access Control & Data Security:**
   * Ensure role-based access, secure login, and data encryption.

**Sprint 2: Enhancements (Medium Priority)**

Enhance the user experience and operational efficiency with additional modules.

1. **Guest Information Management:**
   * Enable guest profiles with preferences and booking history.
2. **Housekeeping Management:**
   * Develop a module to track room cleaning schedules and housekeeping tasks.
3. **Room Maintenance Management:**
   * Implement functionality for logging maintenance requests and tracking repairs.
4. **Notification System:**
   * Set up automated notifications (email/SMS) for booking confirmations and check-in reminders.
5. **Reporting and Analytics:**
   * Build basic reporting dashboards (room occupancy, revenue, booking trends).
6. **UI/UX Enhancements:**
   * Refine the interface for better user experience and responsiveness.

**Sprint 3: Optional Features & Polishing**

Focus on additional value-added features and final refinements.

1. **Discounts and Promotions Management:**
   * Create and manage promo codes, loyalty discounts, and special offers.
2. **Special Services Management:**
   * Allow guests to book additional services (spa, airport transfers, room service).
3. **Feedback and Review Module:**
   * Implement functionality for guests to leave reviews and feedback.
4. **Multi-Language and Multi-Currency Support:**
   * Add language selection and currency conversion options for international guests.
5. **Mobile Compatibility Enhancements:**
   * Optimize the system for mobile devices and test responsiveness.
6. **Final Testing, Bug Fixes & Documentation:**
   * Perform thorough testing (unit, integration, UAT).
   * Refine documentation and prepare for deployment.

**Final Thoughts**

* **Iterative Development:** Each sprint builds on the previous one. Start with MVP features to get a working system, then gradually add enhancements.
* **Feedback Loop:** Use user feedback and QA testing results to adjust priorities and improve the product.
* **Flexibility:** The sprint durations can be adjusted based on team size, complexity, and real-world progress.

This sprint plan provides a roadmap to manage and deliver your project in stages, ensuring you cover all critical requirements and then add extra value. Let me know if you need further customization or details on any sprint!