**Product Backlog for Restaurant Website**

**Priority Levels**

* **P1:** Must-have for MVP (Minimum Viable Product).
* **P2:** Important but can follow P1 tasks.
* **P3:** Enhancements or optional features.

**Backlog Items with User Stories**

| **Priority** | **User Story** | **Description** |
| --- | --- | --- |
| **P1** | **Design Homepage Layout** | As a developer, I need to design a homepage layout with restaurant branding, highlights, and navigation. |
| **P1** | **Develop Menu Section** | As a developer, I need to create a menu page with categorized items, prices, and filters like gluten-free. |
| **P1** | **Implement Reservation System Backend** | As a developer, I need to create a backend system to process reservation requests with date, time, and party size. |
| **P1** | **Set Up Customer Reviews Section** | As a developer, I need to set up a section to display and collect reviews from customers. |
| **P1** | **Create Contact Page** | As a developer, I need to design a page with a contact form, phone number, and WhatsApp integration. |
| **P1** | **Enable Admin Menu Management** | As a manager, I need an interface to update menu items, descriptions, and categories easily. |
| **P1** | **Add Admin Reservation Management Tools** | As a manager, I need tools to view, approve, or cancel reservations from customers. |
| **P1** | **Integrate Analytics Dashboard Backend** | As a developer, I need to collect data for analytics like popular dishes and peak reservation times. |
| **P2** | **Test Cross-Browser Compatibility** | As a developer, I need to test the website on major browsers (Chrome, Safari, Firefox) to ensure consistency. |
| **P2** | **Optimize Website Performance** | As a developer, I need to minimize page load times to under 3 seconds and handle at least 50 concurrent users. |
| **P3** | **Add Multilingual Support** | As a developer, I need to enable the website to support English and Arabic. |
| **P3** | **Enhance Menu with Advanced Filters** | As a developer, I need to add dietary filters like vegan, allergies, and cuisine types for better user experience. |
| **P3** | **Implement Online Ordering Feature** | As a customer, I want to order food online for delivery or pickup through the website. |

**Sprint Plan and Detailed Task Breakdown**

**Sprint 1 (2 Weeks): Core Features Design and Setup**

| **Task** | **User Story** | **Estimated Time** |
| --- | --- | --- |
| Design homepage layout | P1 - Homepage Layout | 2 days |
| Develop initial menu section | P1 - Menu Section | 3 days |
| Set up basic reservation system backend | P1 - Reservation System Backend | 4 days |
| Create contact page | P1 - Contact Page | 2 days |

**Sprint 2 (2 Weeks): Admin Tools and Backend Development**

| **Task** | **User Story** | **Estimated Time** |
| --- | --- | --- |
| Build admin menu management tools | P1 - Admin Menu Management | 4 days |
| Develop reservation management tools | P1 - Admin Reservation Management | 4 days |
| Start integrating analytics backend | P1 - Analytics Dashboard Backend | 4 days |

**Sprint 3 (2 Weeks): Testing and Performance Enhancements**

| **Task** | **User Story** | **Estimated Time** |
| --- | --- | --- |
| Conduct cross-browser compatibility tests | P2 - Cross-Browser Compatibility | 3 days |
| Optimize website performance | P2 - Website Performance | 5 days |
| Add support for multilingual features | P3 - Multilingual Support | 4 days |

**Sprint Retrospective Elements**

* **What Went Well:** Identify completed features (e.g., reservation system, admin tools) and collaboration successes.
* **What Could Be Improved:** Pinpoint bottlenecks in development (e.g., delays in admin tools or analytics integration).
* **Action Items:** Adjust task allocation, streamline communication, or address technical challenges in future sprints.