**Youssef Wael**

**202101699 Food Delivery System**

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| **Requirement Id** | **Requirement Description** | **Type** | **Priority** |
| FR1 | Store customer information including name, address, and contact details. | Functional | Must Have |
| FR2 | Record order details such as food items, quantity, and price. | Functional | Must Have |
| FR3 | Manage restaurant details including menu, hours, and location. | Functional | Must Have |
| FR4 | Payment processing to store payment information (card details, payment status). | Functional | Must Have |
| FR5 | Track order status (pending, preparing, dispatched, delivered). | Functional | Must Have |
| FR6 | Manage delivery personnel details (name, location, availability). | Functional | Must Have |
| FR7 | Support user reviews for restaurants and drivers. | Functional | Should Have |
| FR8 | Calculate and store estimated delivery times. | Functional | Should Have |
| FR9 | Handle promotions and discounts, storing promotional codes. | Functional | Could Have |
| FR10 | Maintain a history of all past orders for customers. | Functional | Must Have |
| FR11 | Store and display ratings for restaurants based on customer reviews. | Functional | Should Have |
| FR12 | Ensure customers can create accounts and log in securely. | Functional | Must Have |
| FR13 | Allow customers to manage multiple delivery addresses. | Functional | Could Have |
| FR14 | Automatically assign drivers to orders based on location and availability. | Functional | Must Have |
| FR15 | Send real-time notifications to customers (order confirmation, updates). | Functional | Should Have |
| FR16 | Allow customers to cancel orders within a certain timeframe. | Functional | Should Have |
| FR17 | Enable restaurants to update their menu and prices. | Functional | Must Have |
| FR18 | Generate detailed invoices for each order including taxes and discounts. | Functional | Must Have |
| FR19 | Allow customers to track drivers in real-time on a map. | Functional | Could Have |
| FR20 | Support multiple payment options (credit card, cash, digital wallets). | Functional | Must Have |
| NFR1 | Ensure fast response times (below 3 seconds) when browsing and placing orders. | Non-Functional | Must Have |
| NFR2 | Handle peak loads during high-traffic times (e.g., lunch/dinner hours). | Non-Functional | Must Have |
| NFR3 | Ensure secure handling of sensitive data with encryption. | Non-Functional | Must Have |
| NFR4 | Ensure high availability (99.9%) to avoid downtime during peak hours. | Non-Functional | Must Have |
| NFR5 | Provide an intuitive interface for both tech-savvy and non-tech-savvy users. | Non-Functional | Should Have |