Notifications

1. New User add
2. User Remove
3. User Update
4. New Item added
5. Item remove
6. Item Update
7. Cuisine added, Remove, Update
8. Royalty value change, transfer
9. Total Day Sell notification after kitchen closing
10. Kitchen login, logout
11. Sell target touch notification

**1. Admin Notifications**

* **Role Changes**: Notify when a new role is added or removed under their hierarchy.
  + *Example*: "A new Manager role has been added under your supervision."
* **Role Reassignments**: Inform about reassignment of data when another Admin is deleted.
  + *Example*: "Data from Admin ID 4 has been reassigned to you."
* **Activity Summary**: Alerts for daily/weekly summaries of activities in their hierarchy.
  + *Example*: "5 new Distributors were added today."

**2. Manager Notifications**

* **Status Updates**: Updates about Distributors or Kitchens under their management.
  + *Example*: "Kitchen XYZ has marked itself as offline."
* **Task Assignments**: New responsibilities or tasks assigned by Admins.
  + *Example*: "You have been assigned a new Distributor."
* **Performance Alerts**: Notifications about underperforming entities.
  + *Example*: "Distributor ABC hasn't met their sales target for the month."

**3. Super Distributor Notifications**

* **New Distributor Addition**: Alerts when a new Distributor is added under them.
  + *Example*: "A new Distributor has joined under your management."
* **Stock Updates**: Notifications for stock replenishment or shortage.
  + *Example*: "Stock for item X is running low."
* **Order Status**: Updates on Distributor orders.
  + *Example*: "Distributor XYZ has placed a new order."

**4. Distributor Notifications**

* **Order Updates**: Status changes for their placed orders.
  + *Example*: "Your order #1234 has been shipped."
* **New Tasks/Targets**: Monthly targets or tasks assigned by Super Distributors.
  + *Example*: "You have a new sales target for this month."
* **Stock Notifications**: Alerts for available stock or low inventory.
  + *Example*: "New stock for item Y is available."

**5. Kitchen Notifications**

* **Order Requests**: New orders from Distributors or Managers.
  + *Example*: "You have received a new order from Distributor ABC."
* **Online/Offline Status Alerts**: Reminders to change their status if inactive for a long period.
  + *Example*: "You have been offline for 12 hours; please update your status."
* **Feedback/Performance**: Notifications about performance ratings or feedback.
  + *Example*: "You received a 5-star rating from Manager XYZ."

**General Notifications (Applicable to All Users)**

* **System Announcements**: Broadcasts about updates or downtime.
  + *Example*: "System maintenance is scheduled for 2 AM tomorrow."
* **Account Updates**: Changes to account information, such as password resets.
  + *Example*: "Your password was successfully updated."
* **Reminder Alerts**: Custom reminders set by Admins or Managers.
  + *Example*: "Meeting scheduled with Manager at 3 PM."

**Implementation Suggestions:**

1. **Notification Priority Levels**:
   * High Priority: Alerts requiring immediate action (e.g., new tasks, stock shortages).
   * Medium Priority: Updates that can be reviewed later (e.g., performance feedback).
   * Low Priority: Informational notifications (e.g., system announcements).
2. **Notification Read/Unread Status**:
   * Track whether a user has read the notification.
   * Provide options to mark as read/unread.
3. **Notification Categories**:
   * Separate notifications by type (e.g., Orders, Tasks, Announcements) for easier navigation.
4. **Delivery Mechanisms**:
   * In-app notifications.
   * Email alerts for critical updates.
   * Optional SMS or push notifications for mobile users.

**Admin-Specific Notifications (Enhanced)**

* **System Alerts**:
  + Alerts for system errors, unauthorized access attempts, or potential security breaches.  
    *Example*: "Multiple failed login attempts detected on your account."
* **Policy Updates**: Notify about updates to company policies or system rules.  
  *Example*: "The maximum number of active Managers has been updated to 50."

**Manager-Specific Notifications (Enhanced)**

* **Team Performance Summaries**:
  + Notify about the overall performance of the team under their management.  
    *Example*: "Your team's monthly performance increased by 15%."
* **Escalation Alerts**:
  + Notify when a Super Distributor or Distributor raises an issue requiring their intervention.  
    *Example*: "Distributor XYZ has raised a concern about delayed stock delivery."

**Super Distributor-Specific Notifications (Enhanced)**

* **Distributor Performance**:
  + Notifications about top-performing or underperforming Distributors.  
    *Example*: "Distributor ABC achieved 120% of their sales target this month!"
* **Distributor Compliance Issues**:
  + Notify about any violations of policies or delays.  
    *Example*: "Distributor XYZ has delayed stock payments for 10 days."

**Distributor-Specific Notifications (Enhanced)**

* **Payment Reminders**:
  + Notify about pending dues or upcoming payment deadlines.  
    *Example*: "Your stock payment of $500 is due in 2 days."
* **Discount Offers/Promotions**:
  + Inform about special offers or bulk purchase discounts from Super Distributors.  
    *Example*: "20% discount on bulk orders placed before the end of the month."

**Kitchen-Specific Notifications (Enhanced)**

* **Order Preparation Timers**:
  + Alerts about orders nearing their preparation deadlines.  
    *Example*: "Order #9876 is due for delivery in 15 minutes."
* **Inventory Restock Alerts**:
  + Notify when critical ingredients or items run low.  
    *Example*: "You're running low on item X. Please restock."

**Cross-Role Notifications (Enhanced)**

1. **Feedback Requests**:
   * Users can be notified to give feedback on specific tasks or orders.  
     *Example*: "Rate the delivery performance for Order #12345."
2. **Conflict Resolution**:
   * Notifications about resolution of disputes or flagged issues.  
     *Example*: "The issue raised by Distributor XYZ has been resolved by Admin."
3. **Milestones or Achievements**:
   * Recognizing important milestones (e.g., anniversaries, targets achieved).  
     *Example*: "Congratulations! You’ve achieved 1,000 successful deliveries!"

**General Enhancements**

* **Customizable Notifications**:
  + Allow users to choose notification preferences (e.g., email, in-app, or SMS).
  + Let them select specific categories to receive notifications about.
* **Reminder Notifications**:
  + Personalized reminders (e.g., meeting schedules, deadlines).  
    *Example*: "Your meeting with Super Distributor ABC is scheduled for 11 AM tomorrow."
* **Scheduled Downtime Alerts**:
  + Notifications for planned maintenance windows with specific durations.  
    *Example*: "The system will be unavailable for maintenance on Dec 30, from 2 AM to 4 AM."
* **User Activity Reports**:
  + Weekly or monthly activity reports tailored for each role.  
    *Example*: "This month, you managed 5 new Distributors and resolved 3 issues."

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