بسم الله الرحمن الرحيم

**Review and Bug Report on Database Data Filling – Foodtek Application Project**

QA Team (10)

**Introduction**

This report provides a review and analysis of the data filling process for the Foodtek application project. The goal is to ensure that all data inserted into the database aligns with the Business Requirements Document (BRD) and meets the project's quality standards. During the testing phase, various SQL insert scripts were reviewed to verify their correctness, completeness, and consistency. This report highlights any issues or bugs found in the data population process and provides recommendations for improvement.

The following table presents the identified bugs and issues found during the review of the database data filling process. Each bug is described in detail, including its location, type, and impact on the system. These findings are based on a thorough comparison between the inserted data and the requirements outlined in the BRD.

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| Bug ID | Title | Description | Steps to Reproduce | Expected Result | Severity |
| 001 | Duplicate Discount Code | There is no validation for duplicate Code values in the Discounts table.  **BRD Reference:**  **3.2.23 Admin Create Discount/Offers** (This section specifies that when creating a new discount, the "Code" field should be validated to prevent duplicate entries. The insert statement in the code uses the Code field ('NY2025'), which should be unique for each discount)  **3.2.24 Admin Explore Discount/Offers** (This section describes the requirement for offers, including validation rules for "Code" fields (ensuring no duplicates).) | 1.Run the insert script.  2.Attempt to insert a new discount with the same code (NY2025).  3.Observe that the system allows duplicate entries. | The system should reject duplicate codes and raise an appropriate error. | High (Duplicate discount codes can lead to confusion and incorrect pricing). |
| 002 | Incorrect Discount Validity Dates | The discount dates (StartDate and EndDate) for the New Year Offer should be tested against the current date to verify if the discount is valid only within the correct time window.  **BRD Reference:**  3.2.23 Admin Create Discount / Offers | 1.Insert the data.  2.Query the Discounts table.  3.Check the validity of the dates against the system's current date. | The system should only allow discounts within the valid time frame. | High (If the discount is not properly validated, it could affect pricing logic in the app) |
| 003 | Missing Image Paths for Categories | The ImagePath for all categories is NULL, which could lead to missing images when the categories are displayed in the application.  **BRD Reference:**  3.2.19 Admin Create New Category | 1.Run the insert script.  2.Query the Categories table.  3.Observe that the ImagePath column is NULL for all entries. | Each category should have a valid ImagePath or an appropriate placeholder if no image is available. | Medium (If images are essential for the UI, this needs to be addressed). |
| 004 | Missing Pagination on Issues/Suggestions Table | The system loads all records in the Issues and Suggestions table without pagination.  **BRD Reference:**  3.2.17 Admin Explore Client Reported Issue | 1.Login as Admin.  2.Navigate to Issues and Suggestions Page.  3.Scroll to the bottom of the table. | Pagination should be implemented to improve performance and usability. | Medium (Performance issue, especially with large datasets). |
| 005 | Sorting by Creation Date Not Working | Sorting the table header by creation date does not reflect any changes or is done in ascending order instead of descending.  **BRD Reference:**  3.2.17 Admin Explore Client Reported Issue | 1.Go to Issues and Suggestions Page.  2.Click on the “Creation Date” column header. | The table should be sorted by creation date in descending order (latest first). | Medium |
| 006 | Dialog Showing Null Province and Region | When exploring client delivery locations, Province and Region fields are returning NULL or blank even though the address exists. This suggests a backend issue in either data insertion or missing join logic between address tables and provinces/regions. **BRD Reference:** 3.2.18 Admin Explore Client Delivery Locations | 1.Login as Admin.  2.Go to the Client Page and click “Show Address”.  3.Observe the pop-up dialog and check the Province and Region fields. | The pop-up should display the correct Province (e.g., "Amman") and Region (e.g., "Downtown") for the client's address. | High (Data integrity and user understanding issue). |
| 007 | Discount Not Applied in Cart Summary | When a valid discount code is active, the cart summary panel still shows Discount: 0.00 and total price does not update accordingly.  **BRD Reference:** 3.3.18 Client Submit (Checkout) Order | Ensure a valid discount is active (e.g., NY2025).  Add items to cart and open cart tab. | Discount value should appear in the cart and total should update accordingly. | High (Direct financial impact). |
| 008 | Incorrect Delivery Charge Calculation | The delivery charge is not being calculated based on the formula defined in the BRD:  **Delivery Charge = 0.50 + (0.13 × distance in km)**  Instead, the system either shows a fixed value or incorrect decimal output. | 1.Open the app as a client.  2.Add items to the cart.  3.Navigate to the cart tab.  4.Observe the delivery charge value. | Delivery charge should reflect the dynamic calculation based on actual distance between the restaurant and selected client location. | High (Affects pricing and may result in client dissatisfaction). |
| 009 | Missing Order Sorting by Date in Admin Portal | Orders are not sorted by creation date in descending order in the Admin Order Management page.  **BRD Reference:** 3.2.15 Admin Explore Client Order History | 1.Login to the web portal as admin/super admin.  2.Navigate to the Order Management Page.  3.Observe the sorting of the orders displayed. | Orders should be sorted by Order Creation Date DESC | Medium |
| 010 | Admin Cannot Reactivate Deactivated Users Properly | When admin tries to reactivate a deactivated client account, clicking “Yes” on the confirmation does not re-enable account access.  **BRD Reference:** 3.2.14 Admin Disable / Enable Client – Reactivation Flow | 1.Login as admin  2.Navigate to a deactivated client  3.Click "Reactivate" → Click “Yes” | Account should be marked as active  Client should be able to access the app and place orders | High(Blocks user activity and contradicts admin intention) |
| 011 | Missing Contact Information and Order Details in Database | The database does not store essential order details like the delivery hero’s contact information and order summary for the "Track Order" section. **BRD Reference:** 3.3.23 Client Track Order | 1.Open the app as a client.  2.Navigate to the "Track Order" section.  3.Query the database for the relevant order details, including the delivery hero's contact information and order summary.  4.Verify if the details are stored in the order details and delivery hero tables. | The database should store the delivery hero’s contact information and a summary of the order in the order details and delivery hero tables. | Medium (affects user experience). |
| 012 | Missing Mark As Read Functionality for Notifications | The notification marked as "Unread" in the system is not being marked as "Read" when clicked by the client. Even though the BRD specifies that clicking an unread notification should mark it as "Read," this behavior is not happening in the current implementation.  **BRD Reference:** 3.3.19 Client Explore The Latest Notification | 1. Open the application as a client.  2. Navigate to the main page.  3. Click on the alert icon to access notifications.  4. Observe the "Unread" notifications listed.  5. Click on one of the "Unread" notifications. | - When a client clicks on an unread notification, it should be marked as "Read" and should reflect this status change in the UI.  - The status change should also be persisted in the backend database (e.g., `Notifications` table should update the `Status` or similar field). | Medium (While this does not break critical functionality, it affects user interaction and the overall user experience of the notifications system.) |
| 013 | Inserted Admin Account ViolatesPhone Number Validation Rules | **Phone numbers** (0500000001, 0500000002) do not follow the required Jordanian format (e.g.,+9627[7-9]\*\*\*\*\*\*\*). | 1.Log in as Super Admin.  2.Go to the System Admin Page.  3.Click Create System Admin.  4.Enter the phone number 0500000002 and click Save.  5.Observe that the phone number is accepted, even though it violates the required format | The phone number should follow the format +6927[7-9]\*\*\*\*\*\*\* |  |
| 014 | Missing  Username Field in User Insert | The BRD mentions that the login process uses **username/email**, and that username must be a validated field. However, the INSERT INTO Users statement does **not include a Username** column at all. | 1.On the Login screen, try entering a username instead of an email.  2.Observe that it fails or causes confusion because no username exists in the database.  3.Check the database and confirm that usernames are missing for seeded accounts | A valid username field must be added, and it must be:   * Unique * Alphabetic only (no numbers, spaces, or special characters) | High |
| 015 | Missing account Activation status or verification code | The BRD for Admin creation (CP04) says the new admin must be **inactive until they complete email OTP verification**. But this SQL sets **StatusID = 6** for both users — and does not reflect any unverified/activation pending state | 1.Log in as Super Admin.  2.Observe that the new admin is active immediately.  3.Check the database for that admin’s StatusID — it will be 6 or "Active" even though the account has not been verified. | Admin should be inserted with a status such as "Pending Verification" or "Inactive," and OTP logic should be triggered | Medium |
| 016 | No profile image inserted for admin | BRD CP04 says a profile image should be set during Admin creation. The current INSERT INTO Admins does not include any profile image field | 1.Log in as Super Admin.  2.Go to **Create System Admin**  **3.Notice how you cant insert and image** | If the database supports a profile image column, it should be considered even for a default image. | Low |
| 017 | Full name not split | The SQL stores first and last name separately, but the BRD signup asks for **Full Name**. There's no logic shown to split or validate full name input | 1.Go to Sign Up, enter a full name.  2.Tap Register.  3.Confirm the app stores the name correctly in both first and last name fields. | The app should properly handle full names | Medium |
| 018 | **No Age Validation on Birthdate** | The birthdate '1995-05-15' is valid, but the system does not check if the user is at least **16 years old**. | 1.Go to Sign Up, and enter a birthdate less than 16 years ago (e.g., 2010-01-01).  2.Tap Register.  3.Observe the app still allows account creation. | Birthdate must be at least 16 years before current date. | Medium |
| 019 | **No validation or limit for assigned orders** | BRD CP87 requires that a captain can only have **up to 5 assigned orders per trip**, but this SQL does not implement or suggest any constraint to enforce this | 1.Log in as a Captain on the Driver App.  2.Go to Assigned Orders.  3.Try to assign more than 5 orders during the same trip.  4.Observe that the system allows more than 5. | A captain should not be assigned more than 5 orders per trip. | Medium |
| 020 | **No order sorting based on nearest destination** | BRD CP87 specifies that orders should be sorted based on proximity to the captain’s current location. No logic or data is in place to support location tracking or sorting. | 1.Log in as a Captain.  2.Navigate to My Trips → Assigned Orders.  3.Observe that orders appear in random or static order, not sorted by distance. | Orders should be auto-sorted based on the closest drop-off or pickup location. | Medium |
| 021 | No Vehicle Information Display in App | **Description**: Although VehicleTypeID is inserted into the Deliveries table, there is no validation or visibility in the app to show or allow the captain to confirm their vehicle type. | 1.Log in to the Driver App as Captain.  2.Try to check or update your vehicle type from the profile or delivery dashboard.  3.Observe that the vehicle type is either missing or not editable/  viewable | The Captain should be able to view their assigned vehicle type in the app. | Medium |
| 022 | Missing OTP and Email Verification Process in LookupItems | According to the BRD, there are steps where an **OTP** needs to be sent and verified for **Admin** or **Employee** accounts. However, the LookupItems table doesn't contain an OTP type or relevant information for OTP generation/validation. This step is mentioned in several places in the BRD (e.g., creating an employee or admin), but no entry in LookupItems appears to handle OTPs. | 1.Review the BRD related to email/OTP verification for Employee and  Admin accounts.  2.Check the **LookupItems**  table for OTP-related  items or information. | An OTP-related entry should exist within **LookupItems** to facilitate the OTP process for verification. | High |
| 023 | **Missing "Region" and "Province" in LookupItems** | The **BRD** mentions that **Region** and **Province** should be part of the system, but there are no entries for them in the LookupItems table under the **Region** or **Province** lookup types. | * heck the BRD for Region and Province details. * Look into LookupItems for LookupTypeID = 9 (Region) and LookupTypeID = 10 (Province). | The **Region** and **Province** lookup types should contain the relevant data for regions and provinces. | Medium |