Foodtek analysis

A-The scope of project: food delivery management system.

B-The mandatory object: Admin, Client, Captain delivery, Menu items.

C- The software type and the functionality follow in the system: Customize software

Super admin:

1- The super admin should be able to create System Admin(First Name ,Last Name , Email , Username , Phone number , Password (Auto Generated From System) , Profile Image ,Join Date, JWT token).

2-The super admin should be able to activate/deactivate admin.

3-The super admin should be able to update the admin information prevent creation admin with the same email and password.

4-The super admin should be able to remove admin from the system.

5- The super admin should be able to Explore other admins by (search) (Full Name / Email / Username / Join Date (Start - End)).

6-The super admin should be logout from the system Confirmation Message Should be Appear With This Message “Are You Sure To Exit from the System “,user should redirected to the login screen.

7- The super admin should be able to login to the application directly.

8- The super admin should be able to access token.

9- The super admin should be able to create role.

10- The super admin should be able to communication with customer / driver.

11-The super admin should be able to reset password.

12-The super admin should be able to get one admin.

13-The super admin should be able to activate /deactivate admin.

14-The super admin should be able to access the admin page.

15- Pagination Should be applied in the admins page.

Admin (user name , Full Name (First Name + Last Name ), Email , Join Date , Is Verified , Is Active , Actions (update, remove, resetpassword, activate/ disactivate)):

0-The admin should be able to login to the application directly.

1-The admin should be able to create item.

2-The admin should be able to reset password(Click on Forget Password Button).

3-The admin should be able to Validate the OTP and Email.

4- The admin Should be able to access the System using New Password.

5-The admin should be logout from the system ,Confirmation Message Should be Appear With This Message “Are You Sure To Exit from the System “,User should redirected to the login screen.

6-The admin should be able to access token (JWT token should be generated).

7-The admin should be able to create role (Role Name (English / Arabic ) depends on current language / Creation Date / Assigned User Amount / Is Active / Actions (Edit , Deactivate / Activate )).

8-The admin should be able to explore existing role.

9-The admin should be able to disable / enable role.

10-The admin should be able to update role new message should displayed “Role Updated”/ New Role Name Will be shown in user End under profile Picture in Navbar section.

11-The admin should be able to create employee.

12-The admin should be able to explore employee and their role.

13-The admin should be able to update employee information.

14-The admin should be able to disable / enable employee account.

15-The admin should be able reset employee account .

16-The admin should be able to disable / enable client.

17-The admin should be able to explore client order history(Active , On Shipment , Complete , Canceled ,All order).

18-The admin should be able to explore client details.

19-The admin should be able to explore client reported issue.

20-The admin should be able to explore client delivery location(Address Id / Name/ Provunce (Jordanian Provunce) / Region (Some Region under each Provunce) / Address Hint / Guidance /Map To Show Actual Address).

21-The admin should be able to create new category(Category name AR , Category name EN, Image).

22-The admin should be able to explore category.

23-The admin should be able to disable / enable category.

24-The admin should be able to update category information.

25-The admin should be able to create discounts / offers(Title EN / Title AR / Description EN / Description AR / Start Date / End Date / Limit Amount / Code / Image / Discount Percentage / Category Ids / Items Ids / Current Offer , Expired Offer , Canceled Offer).

26-The admin should be able to explore discounts / offers.

27-The admin should be able to disable / enable discounts and offers.

28-The admin should be able to update offers information(Title EN • Title AR • Description EN • Description AR • Start Date • End Date • Limit Amount • Code • Image • Discount Percentage • Category Ids • Items Ids).

29-The admin should be able to explore item(a. Item Id b. Item Image c. Item Name d.Item Rate e.Item Review f. Item Badge g. Category h. Creation Date i. Actions (Details , Edit , Disable / Enable , Apply Offer )).

30-The admin should be able to disable / enable item.

31-The admin should be able to update item(a . Item Name EN b. Item Name AR c. Item Image d. Item Description AR e. Item Description EN f. Category h. Item Option / Addition 1. Option Id (auto increment) 2. Name AR 3. Name EN 4.Category 5. Is Required).

32-The admin should be able to update problem ticket.

33-The admin should be able to explore notifications(a. Id b. Title c. Notification Type (Issue , Support , New Order , New System Action) d.Is Read e. Creation date).

34-The admin should be able to change order status.

35-The admin should be able to communication with customer / driver.

36-The admin should be able to create order(Order amount, Order ID, Order Creation Date, total price).

37-The admin should be able to update order.

38-The admin should be able to enable/ disable order.

39- The admin should be able to enable / disable staff.

40-The admin should be able to update staff assignment.

41-The admin should be able to show all staffs.

42-The admin should be able to show staff details.

43-The admin should be able to generate reports on staff performance and assignments.

44-The admin should be able to add new restaurant branches.

45-The admin should be able to manage the inventory levels.

46-The admin should be able to track deliveries.

47-The admin should be able to enter user name /email /password to login.

48- Admin will be deactivated until he completes the verification process.

49- The admin should be able to access token.

50-The admin should be able to access Role Management Page this page should be pagination.

51-The admin should be able to create new role.

52- The Admin should search Role by Name only (Role name AR ,Role name EN).

53- The admin should be able to access Employee and Staff Page.

54-The admin should be able to create new staff member (First Name / Last Name / Email / Phone number / Profile Image /Join Date / Creation Date (Disable)) An Email With OTP Code Should be Send to Employee.

55- Admin access Staff Management page (pagination).

56-The admin should be able to explore clients(pagination)( Image / Full Name (First Name + Last Name ) / Email / Phone / Join Date / Rate / Order Count / Status (Active , Not Activated Yet ,Forbidden , Blocked) / Actions (Disable/Enable, Explore Order , Explore Issue , Explore locations )).

56- Admin should access Order Management Page.

57- Admin Can Explore Client Order by access Client Page(Pagination).

58- Admin Access Issue and Suggestion Page(Issues , Solutions, Title,Status( 1. For issue (open , pending , waiting customer response , closed)

2. For Suggest (Received , Approved , Rejected ) ).

Staff:

Image / Username / FullName (Firstname + LastName) / Email / Role / Joindate / Actions (Edit , remove , active / deactivated, send reset password link ).

59- Admin Can Explore Client Issues From Client Information Page(pagination).

60- Admin Access Category Management Page(pagination).

61- Admin Access Discount & Offer Page(pagination).

62- Access Offer & Discount Management Page.

63-The admin should be able to create item(a . Item Name EN b. Item Name AR c. Item Image d. Item Description AR e. Item Description EN f. Category g. Price h. Item Option / Addition 1. Option Id (auto increment) 2. Name AR 3. Name EN 4.Category 5. Is Required).

64- Admin access Item Management Page(pagination).

65- Admin access Problem & Suggest Page.

66- Admin access Notification Page.

67- Admin access Order Management Page.

Client (Image / Full Name (First Name + Last Name ) /Email / Phone / Join Date / Rate / Order Count / Status (Active , Not Activated Yet ,Forbidden , Blocked) /Actions (Disable/Enable, Explore Order , Explore Issue , Explore locations,Permision ):

0-The client should be able to install application.

1-The client should be able to explore guidance screen for the first time usage.

2- The client should be able to access application after first run.

3- The client should be able to sign up(a. Full Name b. email c. birthdate d. phone (international format) e. password).

4- The client should be able to google sign in(Email for client should be one of the following domain (gmail,yahoo,Hotmail,outlook)).

5- The client should be able to Facebook sign in.

6- The client should be able to apple sign in (on apple phone only).

7- The client should be able to sign in(Email ,Password).

8- The client should be able to reset password with verification code.

9-The client should be able to explore categories.

10- The client should be able to explore special offer.

11- The client should be able to explore top rated items.

12- The client should be able to recommended items(The System Should be able to display top recommended element (the top frequent element in all old carts)).

13- The client should be able to explore items under categories.

14- The client should be able to explore item details(a. Top Rated Panel b. Favorite Page c. Recommended Panel d. Category display grid 3. On details page the following option will displayed a. Item image b. Item Name c. Item Long Description d. item Rate e. item review f. item price g. item price after discount Page 51 | 59 h. quantity field i. options list (addition / flavor )).

15- The client should be able to add / remove item from favorite list.

16- The client should be able to manage item cart quantity.

17- The client should be able to submit (checkout) order.

18- The client should be able to explore the latest notification (a . title b. description c. Date Time).

19 The client should be able to track order.

20- The client should be able to communicate with driver.

21- The client should be able to rate order and delivery man.

22- The client should be able to logout from application, Confirmation Message Should be Appear With This Message “Are You Sure To Exit from the System “User should redirected to the login screen.

23-The client should be able to brows the menu.

24-The client should be able to place order.

25-The client should be able to track the deliveries in the real time.

26-The client should be able to create feedback ,rating of the system.

27- Client Explore Guidance Screen For the First Time usage.

28- Client click skip on one of the following screen (a. welcome screen b. delivery screen c. item selection d. turn on location).

29- client access sign in page.

30-The client should be able to reset password(client asked to inset OTP with 4 digit).

31- client access main page.

32- client click on change location the system should display all stored location for the current client by (location title , province name , region name ).

33- Client can Select on of the available payment method the stored method should display it’s type (visa / MasterCard / local wallet ).

34-The client should be able to add new card to the system(a. Holder Name b. Card Number c. Expire Date d. CVC Code).

35- The client can view additional details (e.g., delivery time estimate, contact options).

36- The client views additional details, such as the delivery hero's contact information and order summary.

Captain delivery:

0-The captain delivery should be able to sign in.

1- The captain delivery should be able to explore the assigned order.

2- The captain delivery should be able to start shipment for order.

3- The captain delivery should be able to complete shipment.

4- The captain delivery should be able to logout from application ,Confirmation Message Should be Appear With This Message “Are You Sure To Exit from the System “,User should redirected to the login screen.

5- The captain delivery should be able to reset password with verification code.

6-Equip drivers with a mobile application to manage delivery tasks, navigate routes, and ensure timely order fulfillment.

7- Manage delivery orders and ensure timely delivery using the mobile application.

8- Installed Application on driver device(Authenticated account as driver).

9- The driver selects an order to view its details (e.g., pickup location, drop-off location, customer contact).

10- The driver can see the order's status (e.g., "Pending, "In Progress") and update it as needed.

11-The client should be able to update order status to be on the way / on shipment send notification for admin and client with the new status.

Users(Properties)=> (Name AR, Name EN ,Permissions)

Shared properties (Creation date, Creation by, update by, update date,

Is active, ID)

Summarize system objects: (in green color not include ,just notes)

Admin: (OTP code, First Name, Last Name, Email, Phone number, Password (Auto Generated from System), Profile Image, Join Date(end) start>>shared properties, Is Verified) => user name and password should be hashed using SHA-512 algorithms.

Driver: OTP code, First Name, Last Name, Email, Phone number, Password (Auto Generated from System), Profile Image, Join Date(end) start>>shared properties) => user name and password should be hashed using SHA-512 algorithms.

Menu Items: (Item Name EN / Item Name AR / Item Image / Item Description AR / Item Description EN / Category /Price / Item Option Addition 1. Option Id (auto increment) 2. Name AR 3. Name EN 4. Category 5. Is Required, Is have Discount).

Rate: (Rate amount, Feedback).

Employee: (Image/ FullName (Firstname + LastName) / Email / Join date.

Client: (Image/ Full Name (First Name + Last Name ) / Email / Phone / Join Date / Rate / Order Count/birth of date/password.

Order: Active Order, on Shipment Order , Complete Order, Cancel , All Order, Order ID ,Order creation date , total price, assigned driver , Quantity.

Role: (a. Role Name (English / Arabic ) depends on current language c. Assigned User Amount Actions (Edit , Deactivate / Activate )).

Status: (Active , Not Activated Yet ,Forbidden , Blocked,for offers(New offer , Active offer , Expired offer , Canceled offer)).

Reported Issue: (Issue / Suggest ID / Title ).

Suggest: (Received , Approved , Rejected , Issues , Solutions).

??Delivery Locations: (Address Id/ Provunce (Jordanian Provunce) /Region (Some Region under each Provunce) /Address Hint / Guidance).

Category: (Image ,Category Name EN ,Category Name AR, Item count, Actions (Edit , Disable / Enable)).

Discounts (• Title EN • Title AR • Description EN • Description AR • Start Date • End Date • Limit Amount • Code • Image • Discount Percentage • Category Ids • Items Ids).

Offers: (Current Offer , Expired Offer , Canceled Offer, Discount ID , Title AR ,Title EN,Description , Start Date , End Date , Status (New , Active , Expired , Canceled ) , Limit , discount percent , Actions (Edit , Disable )).

Notifications: (Id / Title / Notification Type (Issue , Support , New Order , New System Action) /Is Read / Creation date /Type/Is Active)

Actions 1. Open (New pop up will appear and display Notification Title Description , Creation Date , Type , Close Button ).

2. Delete (new confirm dialog should appear with “Are You Want To Remove This Notification ”) if Admin Click Yes “Notification will be deactivate and never shown again”).

Generalization/ Specialization:

Users>>Driver, Admin, Employee, Client>>Generalization.

No need to specialization.

Define relationship:

1-Inheritance: Put all users in the same table and discrimination user by column.

2-Composition:

Admin: we can handle it with the shared attributes.

Driver:1:M order/1:M Rate/M:1 Role.

Menu Items:M:1 Employee /M:M Order new table/1:M status/1:M reported issue/M:1 category/1:M discounts/1:M offers/M:M suggest.

Rate: weak entity.

Employee: 1:M order/1:1 Role/1:1 status/1:M reported issue/M:1 category.

Client: /M:1 order/1:M status/1:M reported issue/1:M delivery location.

Order:1:M status/1:M reported issue/1:M suggest/1:M discounts/1:M offers.

Role:1:M status.

Status: M:M reported issue/1:M suggest/M:1 discounts/M:1 offers.

Reported Issue:1:M suggest.

Suggest: weak entity.

Delivery Locations:.

Category:M:1 discounts/M:1 offers/1:M notification.

Discounts /Offers: 1:M notifications.

Notifications:.

Implement ER diagram:

I will sent it .