UBER-MARKET

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Guide :

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- Uber Market is an "Uber" like android application where the users are :

- The Admin : a user previously defined by us (The Developers).

  Username: Shadi

  Password: 123456

- The Costumers : Can make orders, View order history .

- The Drivers : Picks an order to deliver , View and update inventory and navigate.

- Each user Chooses the way he would like to use the application upon sign-up ,

- Each user can either view the app as a driver or as a costumer .

- The Application was developed on android studio using java.

- for the database we used:

  Google's firebase Realtime database which

  is a NoSQL database server.

- Firebase was also used for the user authentication

  where it is responsible for storing and verifying the

  signup and login information.

market-4a476
- DeliveredOrders
- Inventory
- Product
  - Cat
    - imageURL: "https://fir
    - name: "Cat"
    - price: "1000"
  - biscuit
  - flowers
  - milk
- TakenOrders
- UnTakenOrders
- User

ADMIN UI

- The admin can view the products that are currently available for sale in the app.

- He can remove an already existing product or add a new one .

- The product added must have a name , price and an optional photo.

- The camera button opens the phone gallery to choose a photo from , add product button adds the new item to data base.
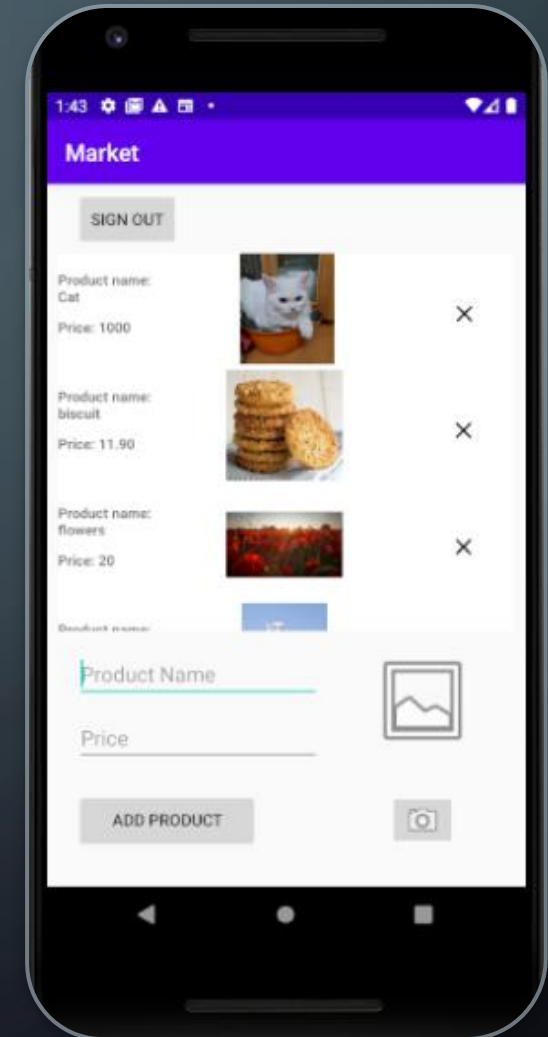
COSTUMER UI

- In The Costumer's main page he can view available products in a Recycler View in Realtime , meaning if the admin updates the products list in the database the changes will automatically appear for the user without the need to refresh the page .

- In each text field he can choose the quantity the user wants of each product, the plus button adds the item with the chosen quantity to cart .

- The "garbage" image button clears the cart .

- The "cart" image button moves the costumer to a new activity to fill other order information .

- The bottom navigation moves between the available interfaces of the costumer .
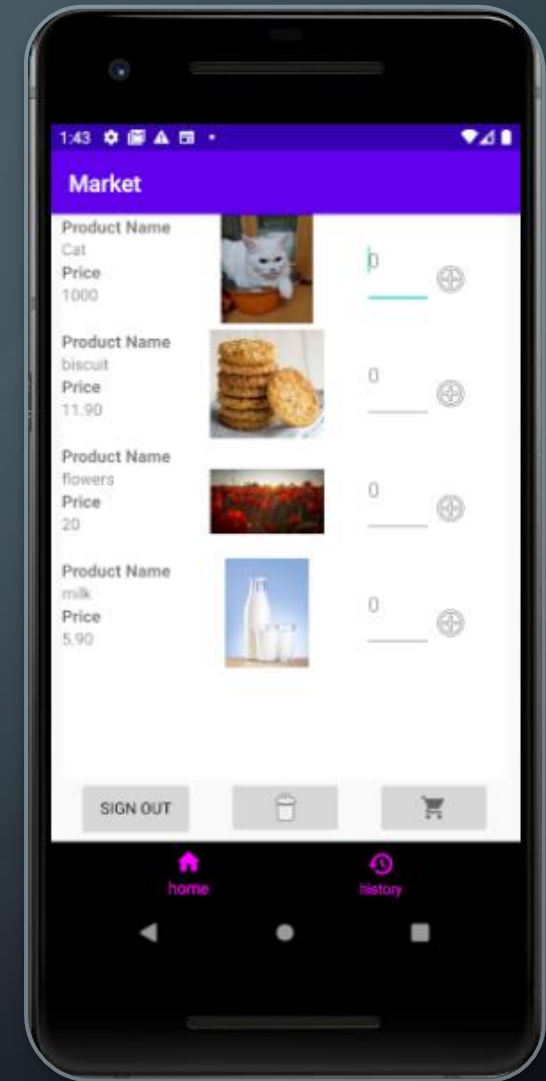
COSTUMER UI

- This is the page the user get redirected to after pressing the cart button , the name appearing in the top left is the username of the costumer currently using the app.

- The user is required to insert a location where he would like the order to be delivered to.

- The costumer then choses the payment method , if he clicks on cash the order will be updated automatically in the database and the payment will be handled by the driver that makes the delivery.

- If he clicks credit card a new popup window will appear where he will be asked to fill other payment information such as ID , CC number , expiration date and CVV .
(for this application purposes nothing is being done with this information other than checking that the input only contains numbers and is of the correct length)
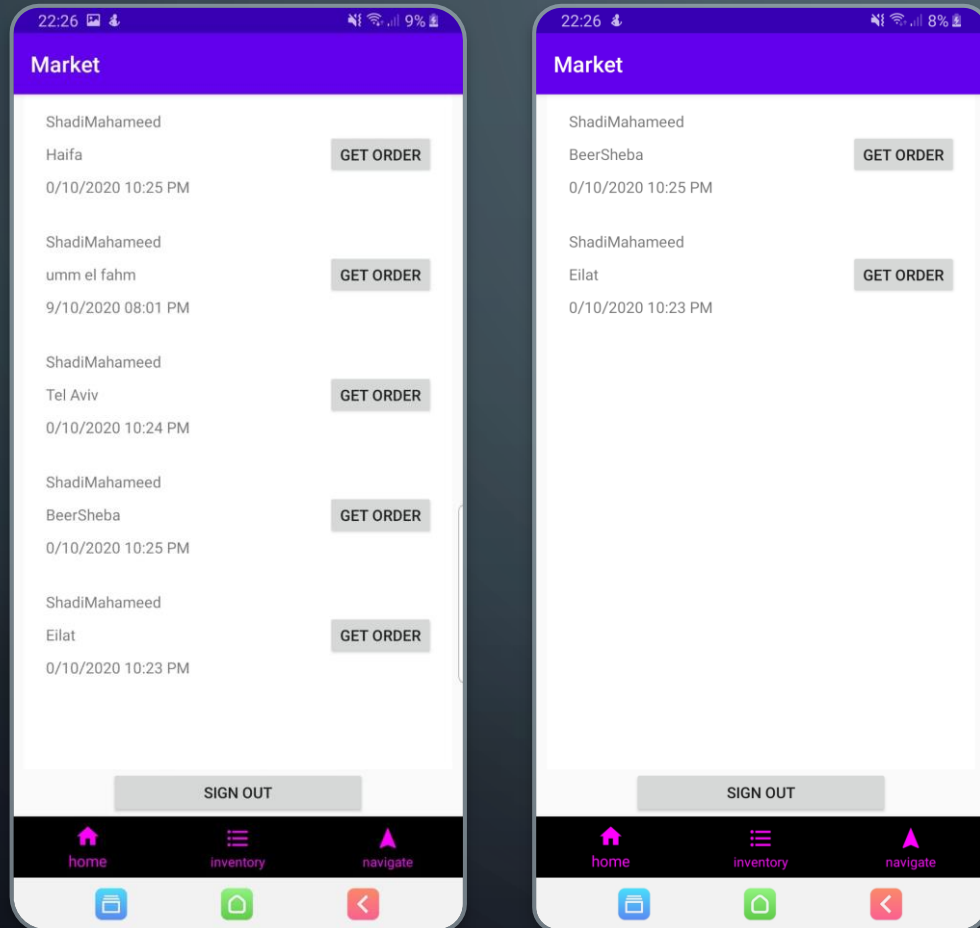
COSTUMER UI

- The history interface for the costumer shows all the previously delivered orders of the costumer with the information about each delivery.
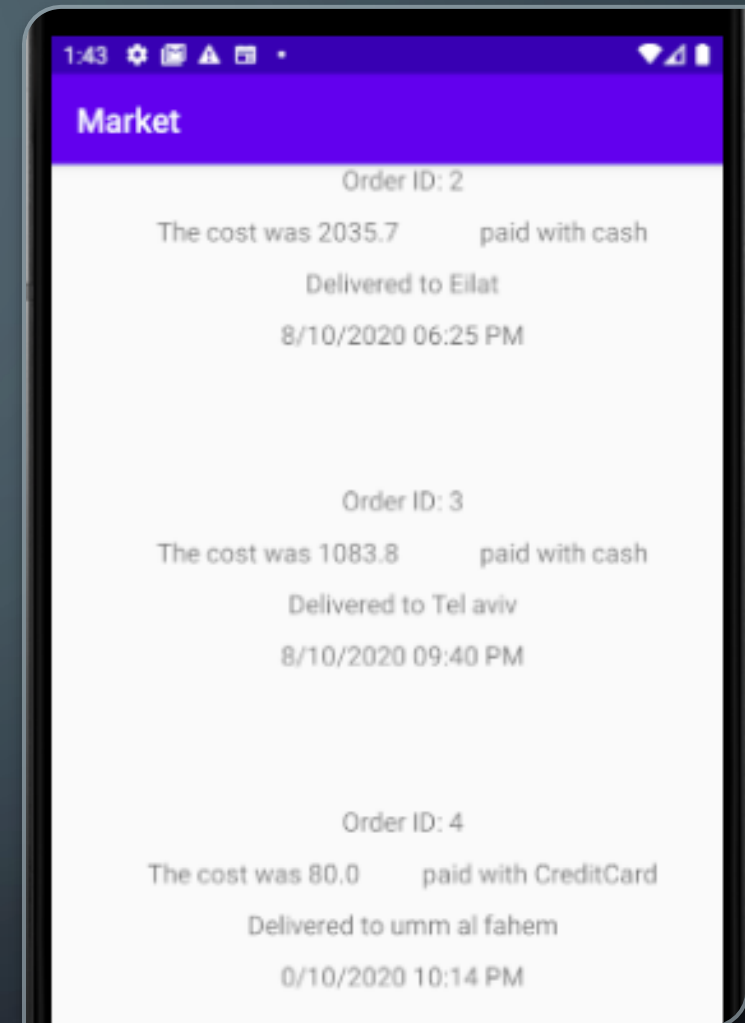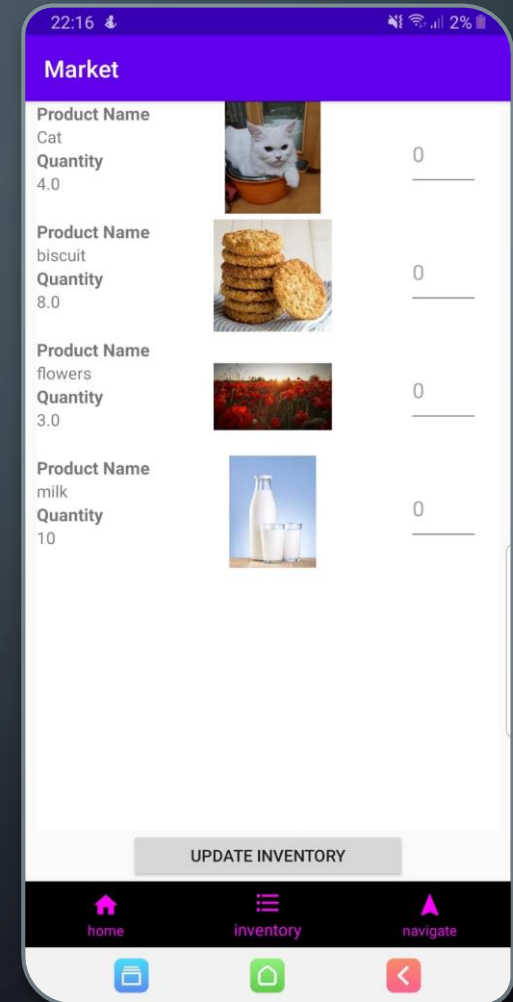
DRIVER UI

- The main page of the driver's UI contains all the orders that are waiting to be delivered and haven't already been chosen by a different driver .

- The orders are sorted by distance from the driver's current location (upon opening the app for the first time accessing phone location permission will need to be granted by the driver) .

- In the right screen shot less orders appear because the driver only had enough in his inventory to make those 2 orders , the 2nd screen shot is after updating the inventory to match all the orders requirments.

The bottom navigation allows the driver to easily move between the different interfaces.

The orders are updated in real-time , once a costumer makes an order it will be updated in the drivers order list without the need to refresh .
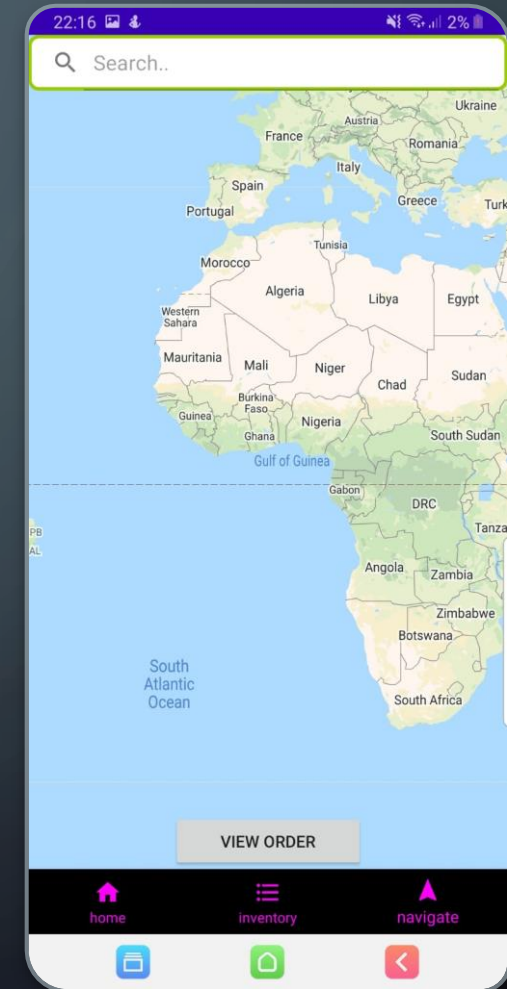
DRIVER UI

- In this interface the driver can see his current inventory and update it if he needs to .

- In the text field the driver puts in the new quantity next to the product and upon finishing he clicks update inventory.

- If a new product is added by the admin it will automatically appear on the drivers inventory list with the quantity 0 .

- If the admin deletes an item it will no longer appear in the driver's inventory .

DRIVER UI

- Upon choosing an order the driver will be automatically moved to the navigation interface with the order location ready in the search view .

- Upon clicking search the driver gets redirected to google maps application with his current location and the address that was entered in the application's search view.

- Upon arrival to destination the driver clicks on the view order button which moves him to the next interface.

DRIVER UI

- In this interface the driver can check the details of the delivery he has already chose to deliver:
-> costumer username
-> location
-> date and time of creating the order
-> price and payment method , this way the driver knows if he needs to handle the payment or not. If it says cash it means he needs to charge the costumer for the price that is showing for him , otherwise the order was pre-paid and he only needs to deliver the products.
-> list of orders with quantity that the user has asked for.
When clicking on "mark as done" the order marked as delivered in the DB and the costumer receives a SMS message that the delivery has arrived.

- In order to send the SMS another permission needs to be granted by the driver upon starting the application for the first time.