

# RESTAURANT ORDER APP

**1)PROJECT NAME:**RESTAURANT ORDER APP

**2)PURPOSE OF PROJECT:**Due to the covid-19 outbreak, an application that people can order without touching the menus and without the need for the garsoon.

Also, with the qr code reading feature, access to menus in other restaurants working with qr code is available.

**3)ENTRY:**An animation welcomes the user when the application is clicked. The animation contains the application name and picture. Then you will be directed to the user verification page, where table number and customer information are mandatory fields. After entering this information, access to the application main screen is provided. Here there is a settings menu, a restaurant menu, a request an account button, call a waiter and a button to read the qr code. The menu contains a total of 3 fragments. Food drinks and desserts. These are made up of lists. Customers decide what to eat here and call the waiter button they can order.

When the QR code is read, users are directed to a web page. In order for QR code reading to be active, users must allow the use of the camera. Request account button calls the waiter for the account. Apart from these, there are zoom-in, zoom-out, voting and exit buttons in the menu.

**4)METHOD:**The application was written with android studio. It works flawlessly with the NEXUS 3 phone and at a resolution of 1920x1080. Xml and Java programming languages are used. Direct access to the database is provided with SQLite. Zxing ready code is used for the Qr code browser. Access to the camera and web pages must be approved. List is used in the menu design and It consists of 3 fragments. The voting section is written using the Rating bar code. Animation is used on the login screen. It is written with webview code on the page where the Qr code is directed.

**5)Findings and Comments:**In order for the application to work more appropriately, it would be better to write a separate application for the waiters and link these two applications. Otherwise, the order given and the desired account can only be checked through the database. Apart from all these, the application works smoothly.

**6) Results and Discussion:**As I mentioned above, the application did not encounter any problems during the test phase, and the camera has successfully passed the internet microphone tests. Communication with the database works without any problems. No bugs were found.

## **7)RESOURCES:**

<https://github.com/zxing/zxing>

<https://github.com/zxing-js/library>

<https://developer.android.com/training/data-storage/sqlite>

<https://ayselaydin.medium.com/android-sqlite-kullanimi-1477a89fc0ad>

<https://developer.android.com/reference/android/widget/ListView>

<http://kod5.org/android-listview-kullanimi/>

<https://netpeak.net/blog/20-best-android-animation-ui-ux-libraries/>

<https://developer.android.com/training/animation/overview>

<https://immibbilisim.com/blog/273/android-studio-rating-bar-kullanimi>

<https://developer.android.com/reference/android/widget/RatingBar>

[https://www.youtube.com/watch?v=VKp4f\\_6VyMk](https://www.youtube.com/watch?v=VKp4f_6VyMk)

<https://developer.android.com/guide/topics/ui/menus>

<https://www.flaticon.com>

<https://developer.android.com/studio/run/device>

<https://stackoverflow.com/questions/21947834/how-to-test-android-apps-in-a-real-device-with-android-studio>

ÖMER BERK KARADAŞ

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