

Technical MANUAL

SGGW – BIG DATA Student

QR - Code

January 2020

1. General Information:

This section provides a general overview of the system written in non-technical terminology.

App Description	QR code Scanner and Generator
Supports	Android Phone and tablets
Language supported	English
Name	Krolik
Supported Platforms	Android Nougat version 7.0 and above

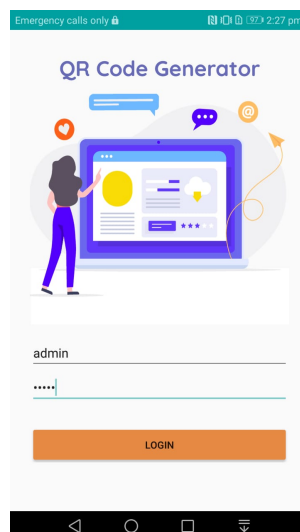
2. Authorized Used Permission:

Application is designed for one main Admin user. Any unauthorized user will not be able to login and access the database. This application provide user with access to different tools such as generating a QR code, Scanning QR-Code or barcodes, access to Database of assets and being able to edit or delete an asset from Database.

3. Getting Started:

I. **Logging on:**

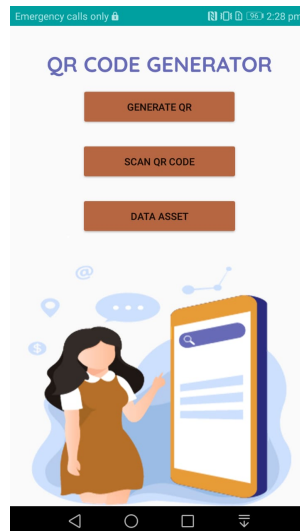
A user ID and password of the Admin is required to login to the application. The default username and password for this application are admin.



(Picture 1)

II. System Menu:

Provides the user to choose an action between Generate or Scan a QR-Code and Data Assests. Data Asset is the button which will direct the user to the database of the application in which it will be described in section III.3 . Below is an overview of the main menu after logging to the application.



(Picture 2)

III. Generating and Scanning QR-code:

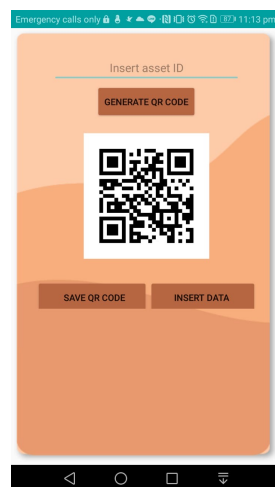
In section II user will be able to choose between 3 options in which we will describe :

1) Generate QR-Code

By choosing this option user will be able to put an asset ID (Picture 3) and tap on Generate QR-Code, and the application will generate a unique QR-Code (picture 4) automatically or user can fill the Edit text column for creating their own QR-Code number . By choosing insert data user will be able to add related data such as location of the asset, Amount of the asset, Name and short description.



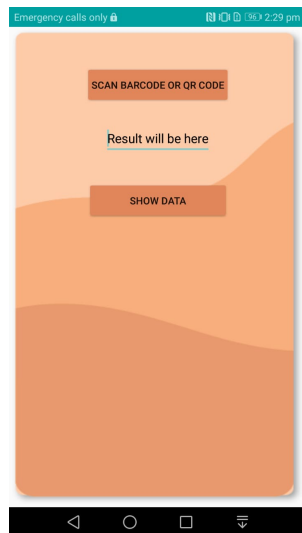
Picture 3



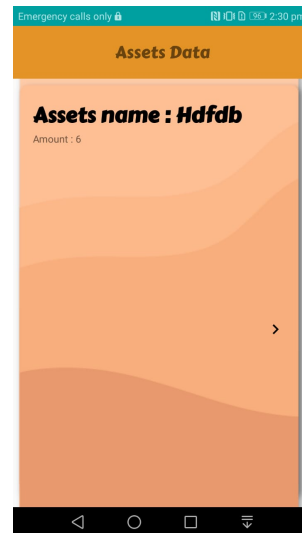
Picture 4

2) Scan QR-Code

By choosing this button after scanning a QR-Code, the application will show the asset ID (Picture 5) in which by choosing Show Data button, application will show a summary and an overview of the asset (Picture 6 – The name and amount written is just used as an example)



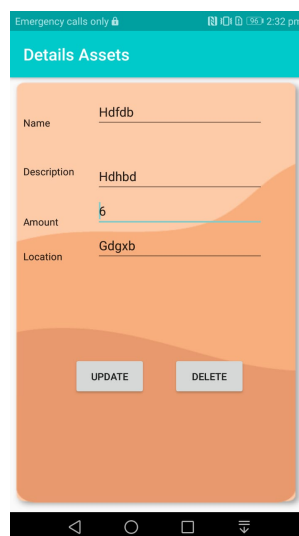
Picture 5



Picture 6

3) Data Asset

User will be able to edit any data and save it to the database by only tapping Update button (Picture 7). An overview to the data of a scanned QR-Code has been attached as an example for the user (Picture 6 in section III.2).



Picture 7