

QR Code Generator

**─Project Brief for QR Code Generator website by team 53**

# Project Brief for QR Generator

TEAM: Team 53

TITLE: QR Generator

Client: Zuri

# Overview

A platform that allows users to create QR codes for free, wherein their desired data can be stored.

# Introduction

### **QR Code (Quick Response Code)**

A QR code is a machine-readable code consisting of an array of black and white squares, typically used for storing URLs or other information for reading by the camera on a smartphone.

## **Research Background**

Based on the current market, Users can also customize the look of the QR code, such as color and shape and they can choose to add their brand logo. Most also have additional features, where users can also track the statistics of the QR code, as well as share in different formats such as: PDF,JPG,PNG.

# Problem Statement

Existing apps provide basic features of the QR code which stores data through images. Our platform plans to integrate a wide selection of QR code selection types.

# Features we plan to add:

* We plan on adding a gallery where previous QR codes generated are stored and users are given the opportunity to change or edit or edit as well as a simple approach to viewing statistics.
* The link feature: Users might want to attach more than one link at a time, and instead of creating multiple QR codes for that, the link feature would allow users to attach multiple links with on QR code at a time
* Privacy: Our QR code generator would have a privacy option, whereby users can set passwords for confidential purposes,so it would only be visible to those that have access to the password.
* Finally, users would be able to create reusable style templates for their QR code

# QR Code features:

* Customizable QR(Color, shape and style)
* Track/ monitor traffic of each QR code
* Convert any type of file into QR code
* Easy to share QR code
* API for QR code editing
* API for QR code deletion

## **Some uses of the Dynamic QR code:**

* Website URL
* Social media profile
* Business profile Card
* Business Cards
* Resumes
* Wifi password
* Vcard (Contact profile)
* Coupon / vouchers
* Mass Media
* Email
* Text
* Call
* SMS
* WhatsApp
* Payment transactions

## **Target Audience:**

For businesses to Individuals,there is a need to complete tasks ranging from advertisements to resumes, incorporating QR code alongside brand names that direct visitors to websites, contact information, portfolio, and other resources. This QR Code generator would solve their need for an effective marketing tool.

# QR-CODE PLATFORM (WEB APP) USER GUIDE

#### Register to create a user profile

#### Generate QR-Code

#### Save QR-Code

#### Retrieve saved QR-Codes

#### Exiting user profile

#### Accessing User profile

# TECHNICAL DOCUMENTATION

#### **SEGNO – PYTHON QR-CODE AND MICRO QR-CODE ENCODER( summary of the Segno documentation)**

The QR-codes generated by segno does not have a particular output format and as such, more than one output rendering can be created for it. For example, svg, PNG and PDF.

## MySQL Sample Database Schema

The MySQL sample database schema consists of the following tables:

* Users: stores user’s data.
* Gallery: stores a list of all qr codes generated.
* Metrics: stores usages based on overall stats

**We really appreciate this opportunity. Thank you for your time and impact in helping us build a better product. If you have any questions, comments, or enquiries, feel free to Email us: team53@gmail.com. Have a great day!**