

# Quick QR

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**Abstract:** *This project is about making a QR Code Scanner and Generator using HTML, CSS, and JavaScript. QR codes are special images that store information like text, links, or contact details. In this project, users can type any information, and the website will create a QR code for it. Users can also scan a QR code using their device camera to see what information it contains. This project is easy to use and works in any web browser. It can help people share and read information quickly at school, work, or in daily life.*

**Keywords:** QR Code

## I. INTRODUCTION

QR codes are used a lot these days to share information quickly. They can store things like text, links, or phone numbers. People can scan QR codes with their mobile cameras to see the information. This project is a simple QR Code Scanner and Generator made using HTML, CSS, and JavaScript. It lets users create QR codes by typing any text or link. It also allows users to scan QR codes using their camera to read the information. The main goal of this project is to make it easy for everyone to use QR codes through a website. It can be useful in daily life, schools, shops, and Offices.

## II. OBJECTIVES

- Make QR Code Creation Easy for Everyone Our main goal is to let anyone tech savvy or not create QR codes quickly and easily, without needing any technical knowledge.
- Provide a Clean and Simple Interface We want users to enjoy a smooth experience. That means keeping the design clean, easy to understand, and usable on all devices, including phones.
- Allow Users to Customize Their QR Codes Users can choose colors, sizes, and other style options so their QR codes can match their personal or business branding.
- Show Instant Previews As users type or edit their info, they should see the QR code update in real time—no extra steps or delays

## III. PROBLEM STATEMENT

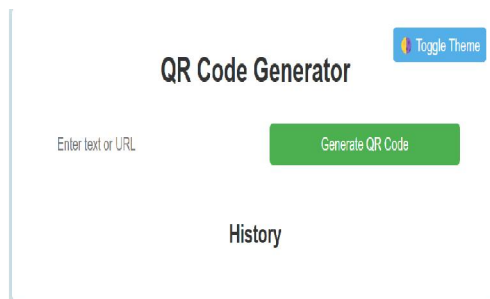
- We live in a world where everything is moving fast, and people need simple ways to share information—whether it's a website link, contact details, or even a Wi-Fi password. QR codes are a great solution for this. Just scan and go no typing, no hassle.
- But here's the problem: most QR code generator tools out there are either too complicated, full of ads, or ask you to sign up just to use basic features. Some don't even let you customize your QR code or care about keeping your data private.
- That's frustrating for someone who just wants to quickly make a QR code for a poster, business card, or event. It shouldn't be that hard.
- So, there's a real need for a simple, clean, and easy-to-use website where anyone can generate QR codes in seconds no sign-ups, no ads, just straightforward functionality that works on any device. Plus, it should respect user privacy and let people customize their QR codes to match their style or brand



#### IV. METHODOLOGY

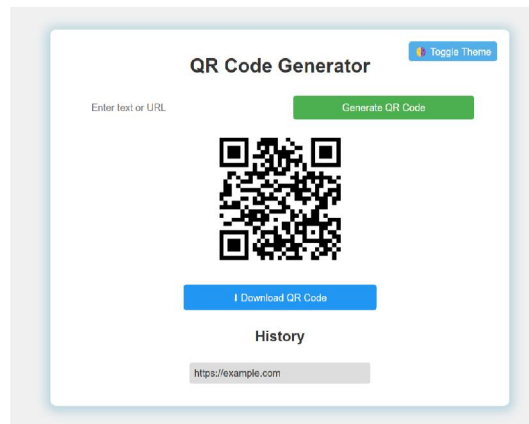
This project was made using three main web technologies: HTML, CSS, and JavaScript.

- HTML was used to create the structure of the webpage. It includes input boxes, buttons, and the areas to show the QR code or scanning result.
- CSS was used to design the webpage and make it look neat and user-friendly. It controls the colors, layout, and style of the page.
- JavaScript was used to add the main functions:
- It takes the user's input (like text or a link) and creates a QR code.
- It also accesses the device camera to scan a QR code and read the data inside it.
- We used a QR code library (qrcode.js) to make the QR code generation and scanning easier. The full project runs in a web browser, so there is no need to install any extra software.



#### STEPS TO CREATE QR :

- Open the website (project in a browser).
- Type your text or link in the input box (for example: a name, website, or message).
- Click the "Generate QR Code" button.
- The QR code will appear on the screen.
- You can save the QR code image if you want to share or print it.



#### V. FUTURE SCOPE

In the future, this QR Code Scanner and Generator project can be improved in many useful ways. It can be made responsive, so it works better on mobile phones and tablets. A download button can be added to save QR code images easily. More features like changing QR code color, adding logos, or different styles can make it more attractive.



We can also add a history feature to save previously generated or scanned codes. The scanner can be improved for better camera support, especially in low light. Lastly, this project can be turned into a mobile app so users can use it anytime without needing a browser.

## VI. CONCLUSION

The QR Code Scanner and Generator is a simple and useful tool that works on the web. It helps users create QR codes from text or links and also scan QR codes to see the information inside. The project is easy to use and makes sharing information fast and error-free

Right now, it works well on desktops but is not responsive for all devices. In the future, it can be improved by adding more features and making it work better on phones and tablets. Overall, this project shows how QR codes can save time and make sharing information easier.

## REFERENCES

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