

# Unique QR Code Generator

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## Overview

Objective: Introduce a user-friendly tool for generating unique QR codes.

#### Features:

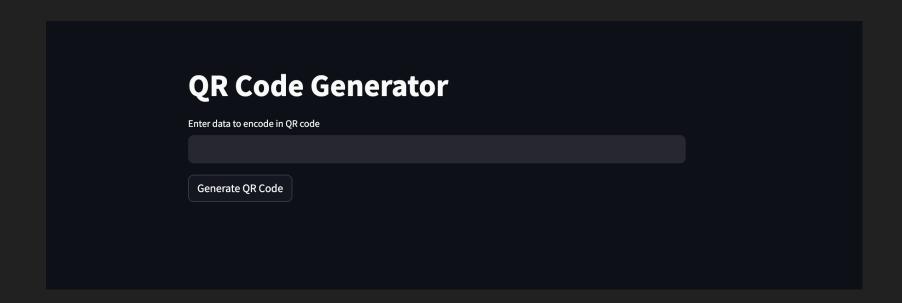
- Dynamic QR code generation.
- Incorporation of a unique ID for each generated QR code.
- Streamlit-powered web interface.

### Technology Stack

- Streamlit: A Python library for building interactive web applications.
- O QR Code Library: Used for generating QR codes programmatically.
- O Python Imaging Library (PIL): Utilized for image processing tasks.

## **Problem Statement**

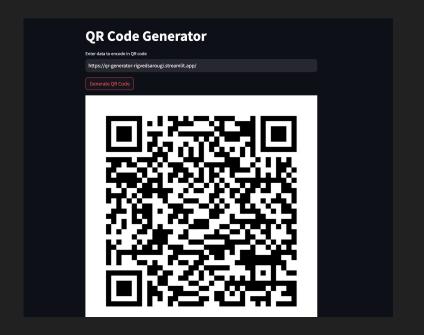
- O Challenge: Traditional QR code generators lack the ability to generate unique identifiers.
- Solution: The Unique QR Code Generator addresses this limitation by appending a unique ID to each generated QR code.



## Demo

#### Walkthrough:

- Input field for user to enter data.
- Button to generate QR code.
- Display of generated QR code with unique ID.
- Presenter enters sample data and generates a QR code.



## **Use Cases**

Business Applications:

- management.
- •- Asset tracking.

#### Personal Use:

- •- Contact sharing.
- •- Personal branding.

## Future Enhancements & Conclusion

#### Potential Features:

- Customizable QR code designs.
- Integration with databases for enhanced data management.

#### Key Takeaways:

- Simplifies QR code generation with unique identifiers.
- Enhances tracking and management capabilities.