

# Dynamic QR Code Generation Challenge

Scenario: A restaurant uses an online menu manager where each menu item has a unique URL, e.g., '/menu/72163'. To enhance customer interaction, they want to offer QR codes that directly link to these specific menus from the moment the page loads.

Challenge: Develop JavaScript functionalities:

1. Automatically generate a QR code based on the current URL when the page loads.
2. Include a button that downloads the QR code in a styled image saying, "Welcome to our restaurant."

Requirements:

- The QR code generation should happen as soon as the page is loaded.
- The download should involve a cart-like graphical representation of the QR code.
- Provide comprehensive documentation within the code to explain the implementation and usage.

This task will test the candidate's ability to integrate QR code generation libraries, handle dynamic content, and create user-friendly download functionalities.