# Bitly Assesment Report

**GitHub Link:** The code to this assessment can be found [here](https://github.com/yusufJinadu/Bitly)

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## Test 1: Verifying that a user can generate a QR code and verify the image on the web page.

I think this feature is essential to initially attracting customers and showing them that the QR codes work like they are supposed to.

### Assumptions Made

I assumed that Bitly has an API service where the URL of the generated image can be sent, and the QR details of the image are received. Those details are then used to verify that the image is indeed what the user expects it to be.

### Possible Improvements

1. The cookies should be suppressible using app actions or any other programmatical means.
2. The QR code details state should be set using app actions.

## Test 2: Verifying that the user can generate a QR code, download it, and verify the downloaded image.

I think this feature is essential to initially attracting customers and showing them that when the QR codes are downloaded and shared, they work like they are expected to.

I assumed that Bitly has a node plugin that can be used with cypress to scan the downloaded image and it return the QR details of the image. Those details are then used to verify that the image is indeed what the user expects it to be.

Possible Improvements

1. The cookies should be suppressible using app actions or any other programmatical means.

2. The QR code details state should be set using app actions.

## Test 3: Verifying that the statistics and editability switch opens the signup modal.

I assume the main point of the page is to convert visitors into paying customers, so any avenue to do that should function reliably.

Possible Improvements

1. The cookies should be suppressible using app actions or any other programmatical means.

## Test 4: Verifying that users can visit the login/signup page from the "Free Signup" button in the modal.

All possible access point to the signup page should function reliably.

Possible Improvements

1. The cookies should be suppressible using app actions or any other programmatical means.

2. The modal should be opened using app actions.

## Test 4: Verifying that users can visit the login/signup page from the statistics image in the modal

All possible access point to the signup page should function reliably.

### Possible Improvements

1. The cookies should be suppressible using app actions or any other programmatical means.

2. The modal should be opened using app actions.