

Date :- 03 January 2020

Name : Yadav Roshan B.

Enrollment No : 180180107062

Java Project - Malicious QR Code Detector

Abstract

QR codes are an evaluation of regular one dimensional barcodes that are frequently used with smartphones and other mobile devices. Due to its ease of use to interact with websites, it is adopted by many businesses for marketing purposes. Like every coin has two sides, QR Code also has disadvantages. One of the most notable disadvantage is of user Security.

QR Code Intro

Due to its increase in popularity, It is likely to be and it has been adopted by many malware authors and cyber criminals to fraud and it can cause significant financial damage to user.

Threats

In this project, I'm going to develop a malicious QR code detector. The main idea is that whenever user scan QR code with this detector it will decode it and will compare the decoded URL with our list of malicious URL [prepared by researching for trending malicious websites and URL] .

Main Idea

If the decoded URL match with of the URL in our list, It will stops the user to visit the malicious site by prompting message that " *This site is not safe !* ". Otherwise it will allow the user to visit the site by marking it safe.

- Project Segments: -

Part 1: Understanding the working of QR Code.

Part 2: Methodology to scan and decode QR Code.

Part 3: Comparing URL and prompting message the user about legitimacy or maliciousness of URL or QR code.