

Configuration Manual

MSc Research Project
Cyber Security

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MSc Project Submission Sheet
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1 Introduction

This document presents the details on how to execute the PhishScan, an Android mobile application which detects phishing URLs in QR codes. The entire code has been written in the Kotlin programming language, while the frontend is developed in xml language and API calls are using JSON.

2 System Requirements

There are two approaches to run this application on a compatible Android device:

2.1 Download the pre-packed APK from the link provided and install the application.

Follow the shared link¹, download the APK and install it on the smartphone.

2.2 Run the app from Android Studio software (GitHub).

This method assumes that the reader has some basic knowledge of using GitHub code repositories (for e.g., pull code or download code as zip). Following software and packages need to be installed on a Windows 10/11 system:

- a. Android Studio² is the official Android development IDE used for developing all Android device's applications.
- b. SDK 13.0 ("Tiramisu"), API level 33
- c. Java Version 1.8³
- d. Pull the code from GitHub: <https://github.com/ahmerk-me/PhishScan>

2.2.1 Setting up the environment

- a. Install Android Studio
- b. Install java.

¹ https://studentncirl-my.sharepoint.com/:u:/g/personal/x21201544_student_ncirl_ie/EYissU4TuuRIgzJREIEAs7EBwHa6YHSbRBMjGeXGLw9teA?e=TmTaS2

² <https://developer.android.com/studio>

³ <https://www.oracle.com/ie/java/technologies/javase/javase8-archive-downloads.html>

