Computer Security

Practical 3: Week beginning 18 March 2024 [200 Marks]

Instructions:

1. You will need to register Here to gain access to the Assignment and be marked.
2. The assignment requires reverse engineering and exploration of an Android application (APK file).
3. The APK file download link is found on the Google form mentioned in 1.
4. The Android application to reverse engineer and all the information required to complete the assignment is captured in the Google form except for the documentation, which is submitted on Ruconnected.
5. APK file's archive password: password123
6. The following tools will assist with the completion of the assignment:
   a. Android Studio
   b. Android Debug Bridge (ADB)
   c. Apktool
   d. JD-GUI
7. You are welcome to contact Dr Meyer (details on the presentation) if you have any questions or experience any technical difficulties.
8. **The due date is 27 March 2024 at 23:59**

Task 1 **[100 Marks]**

● Download the CTF-Android.apk File Here and solve ALL the challenges assigned to you in the Android CTF Environment.

Task 2 **[100 Marks]**

1. Prepare a write-up (report documenting the steps you took to solve the challenges assigned to you in Android CTF Environment.)

2. Submit the report on Ruconnected based on the specified deadline.

NB:
1. **If you do not document your work, you lose 50% marks by default**
2. **Ensure that ALL activities conducted as part of this assignment comply with ethical guidelines and legal regulations.**