

After emulating the apk with android studio and playing a bit, it becomes apparent that, since it's also a stegano chall, we need the backround image in the main menu. Looking through the pngs we see they are the all game assets, so we search for .jpg. Only one result is returned, the image we were looking for. To extract the flag we need to use the hint: bruteforce the password for steghide to use:

```
#!/bin/bash
for password in $(cat /usr/share/wordlists/rockyou.txt); do
    echo "Trying password: $password"
    steghide extract -sf ./splash.jpg -p "$password" -f > /dev/null 2>&1
    if [ $? -eq 0 ]; then
        echo "Password found: $password"
        exit 0
    fi
done
echo "No password found."
```

After a short wait, we get out password and a file named secret.txt. All we need to do is decode the b64 encoded string and we have our flag.

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