

EECS 444 Homework 3 Part 3

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1 Package Name

The apk information shows that the class name is com.example.cs493.homework

2 Permissions used

As in the manifest, the following permission is used: GET_ACCOUNTS, READ_PROFILE, READ_CONTACTS, CAL

3 Crack Password

We can locate the login procedure attemptLogin in com/example/cs493/homework/LoginActivity.java, which takes the user input of Username and Password and validates the given credential combination.

The following Python code generates the password for a given username.

```
>>> from functools import reduce
>>> reduce(lambda x, y : (x * y) % 12345678, map(ord, "Yida@CS493"))
3007656
```

For my name "Yida", it generates the string "3007656" as the password.