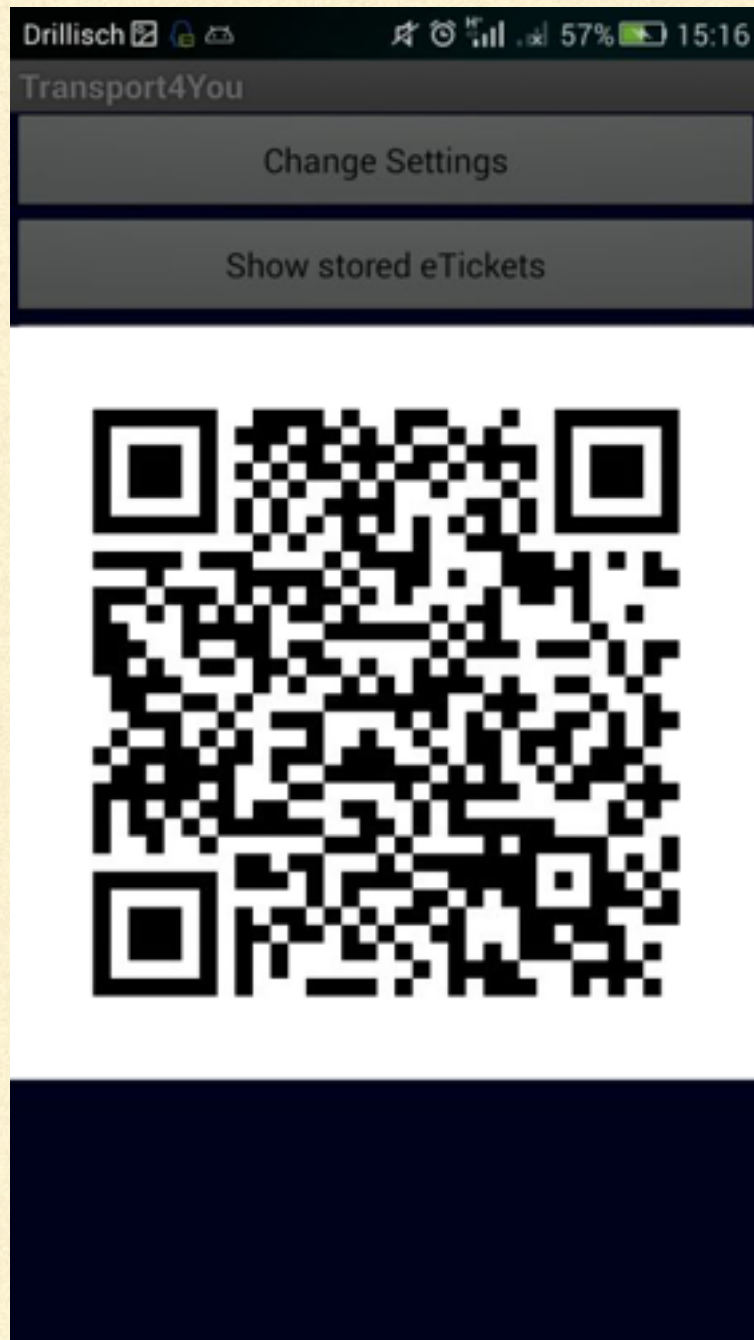# TRANSPORT4YOU PROJECT PHASE II
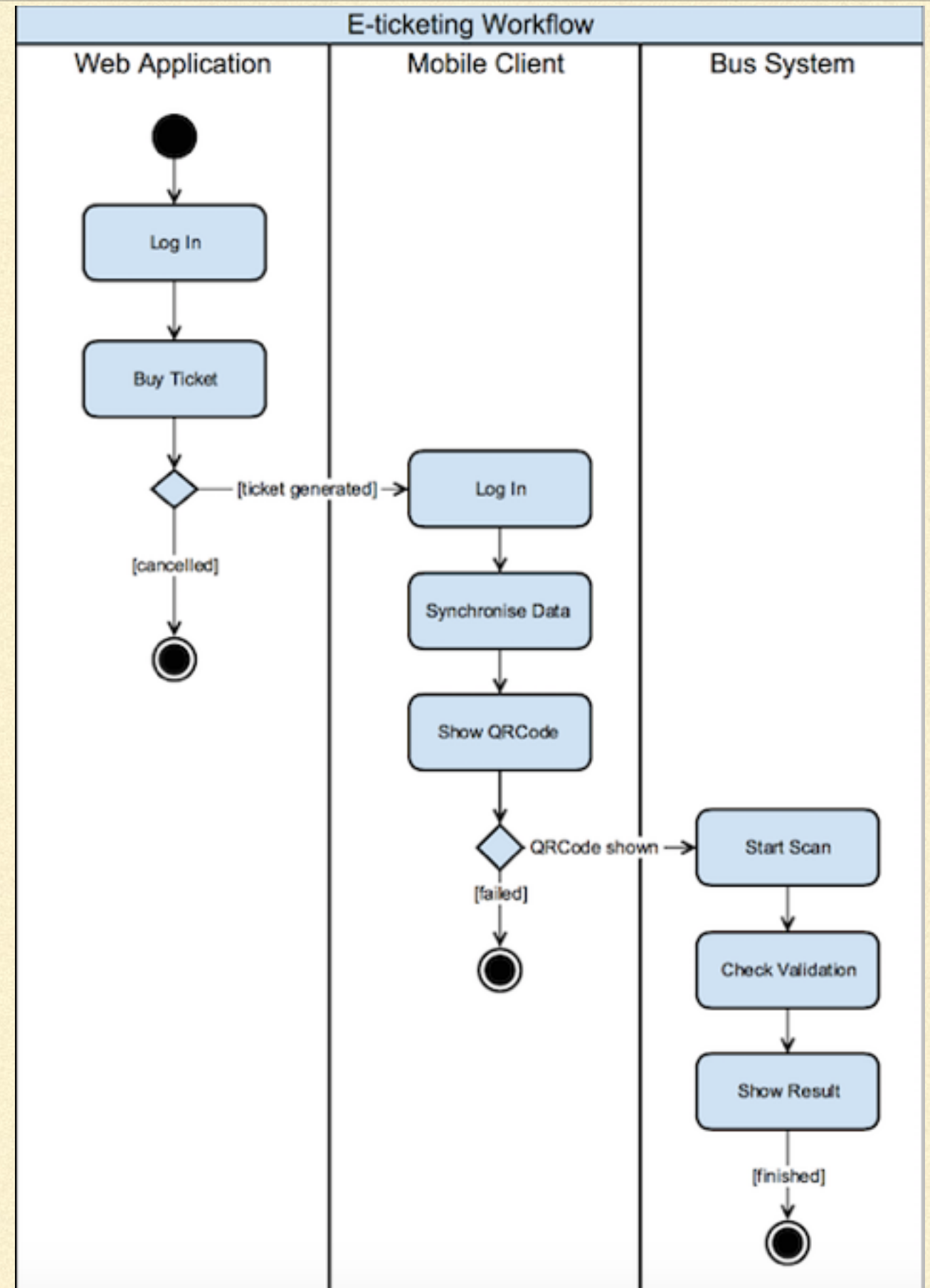
Qunjie Zhou 03670699 & Zhen Yan 03670099

OVERVIEW

- **What we have done …**

- Removing useless functions: bluetooth& wifi connection

- Replacing them with QRCode and camera

- Making the system more usable

WORKFLOW DIAGRAM

# MAIN CONCEPT

- How it is supposed to be…..

  - HMac: validation string = Hash (message + Hash (privateKey + message))

  - QRCode : message + validation string

  - Validation: the expected Hash is generated on Bus and compared with received Hash

- How we solved it …….

  - URL of the user's profile is stored in QRCode

  - The bus visits the URL and validates the signed ticket by the local public key
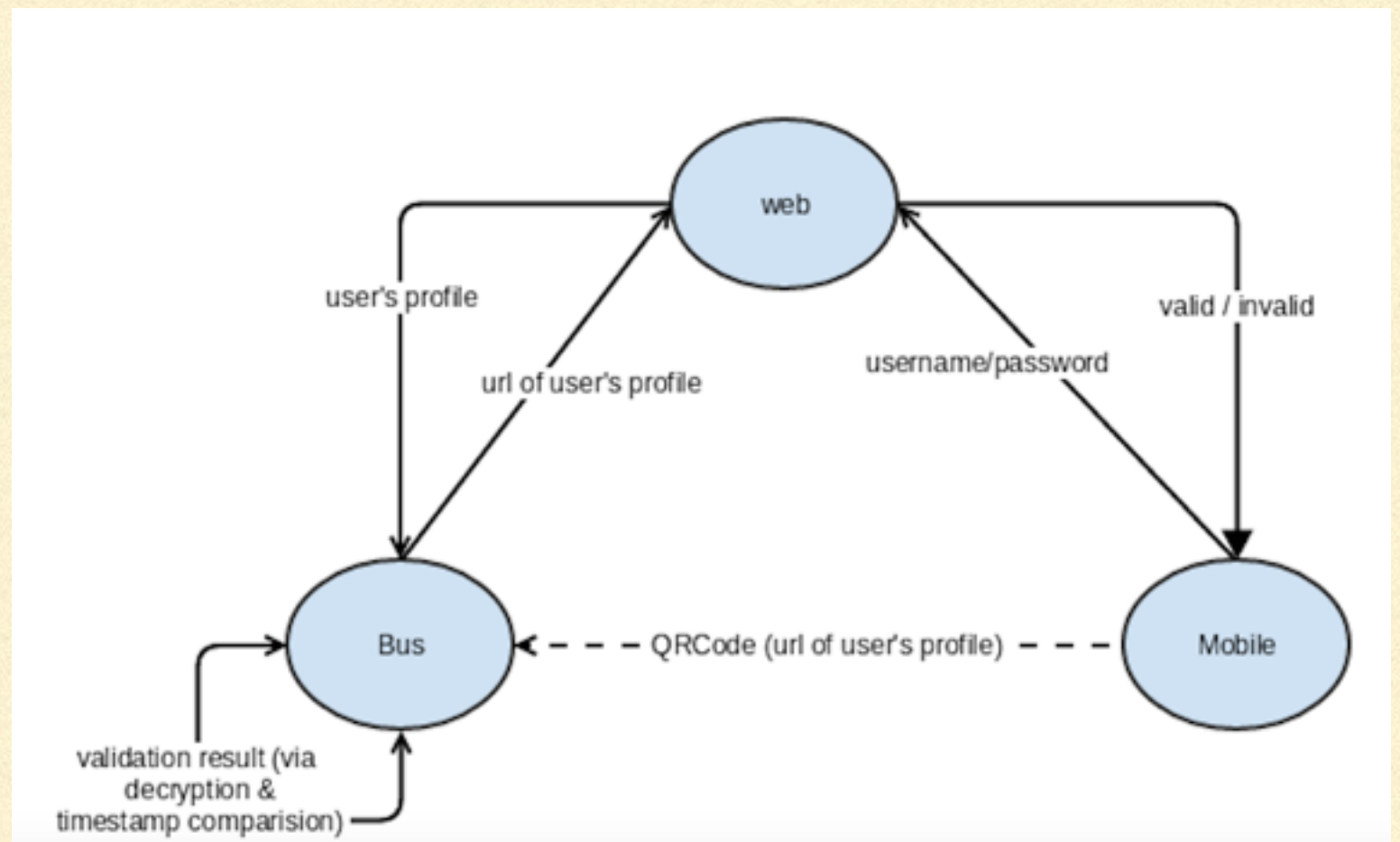
NEW FEATURES

- Application entrance via GUI

- In the past, to use the bus application we have to keep all the background listening threads running all the time…

- Now, we only need to run the GUI and the services can be triggered by clicking the button…

- A lot of resources are saved

- More user-friendly

BUS GUI
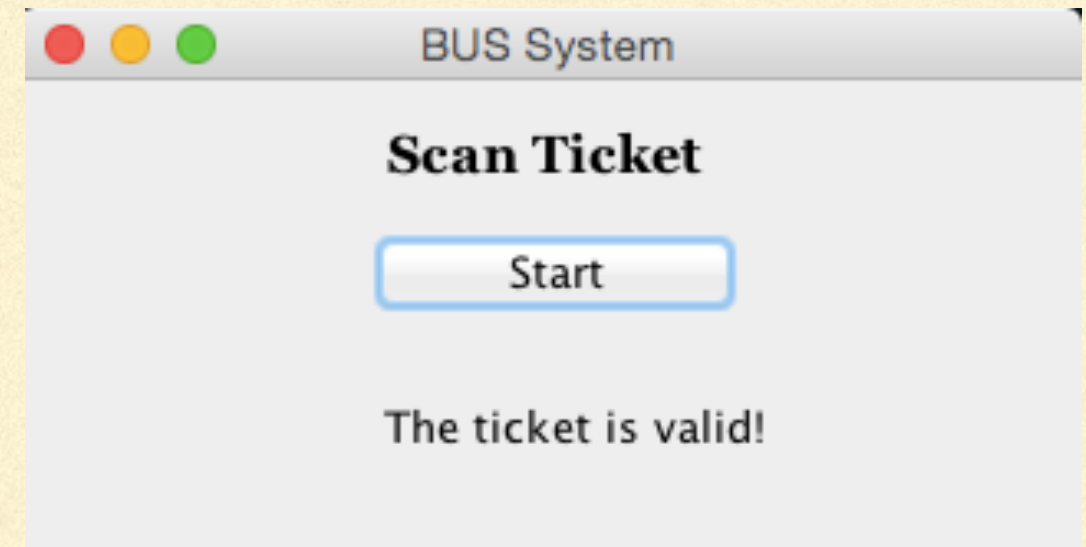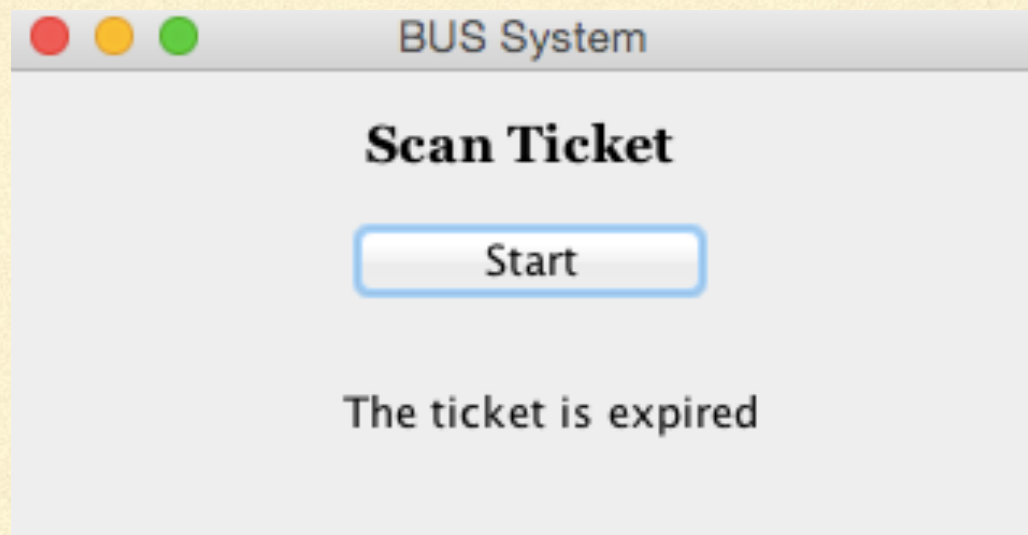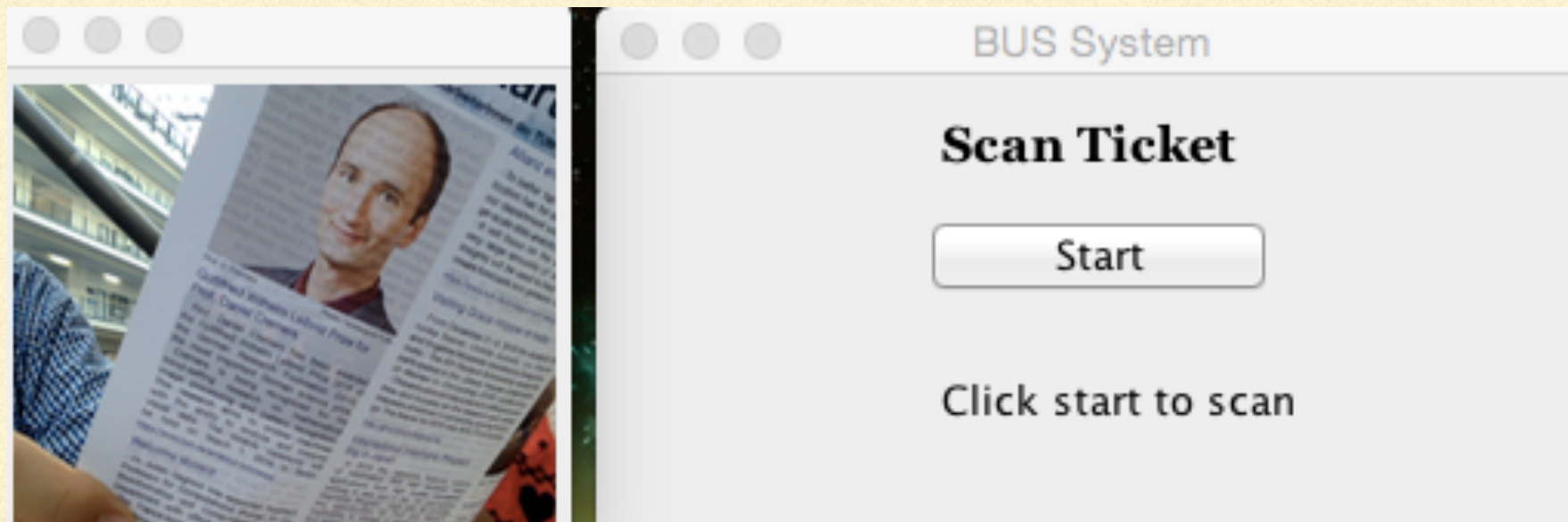
DATA FLOW

THANK YOU FOR YOUR ATTENTION ^ ^