

# Android Application Competition

## *Communicator*

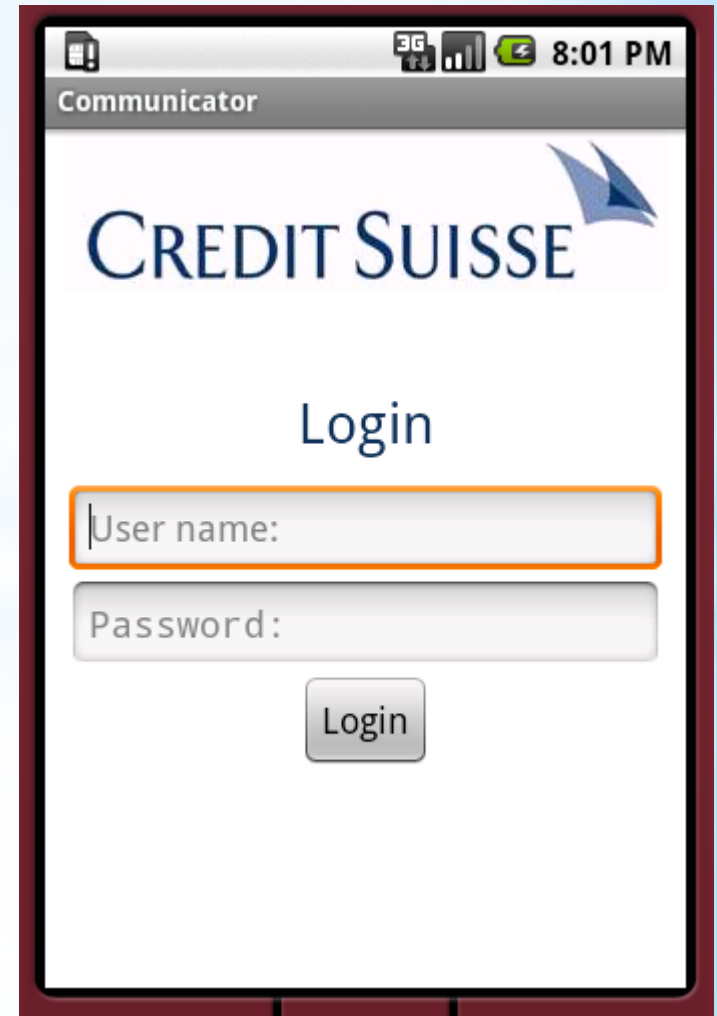
Donglin Pu

University of Southampton

30 March 2011

## Outline:

- Idea
- Application description
- Demonstration
- Conclusion
- Questions



## Idea:

- Got a phone call from the bank once
- It is not easy to check their identity
- Or in the public area
- Provide a second layer of security
- Inform the other side beforehand

## *Communicator* description:

**View message:** Before calling the user, the bank sends message with the time of phone call and passcodes.

**Call message** and **Email message:** User sends message before calling or emailing bank

**Other** functions, e.g. change password, bank locator

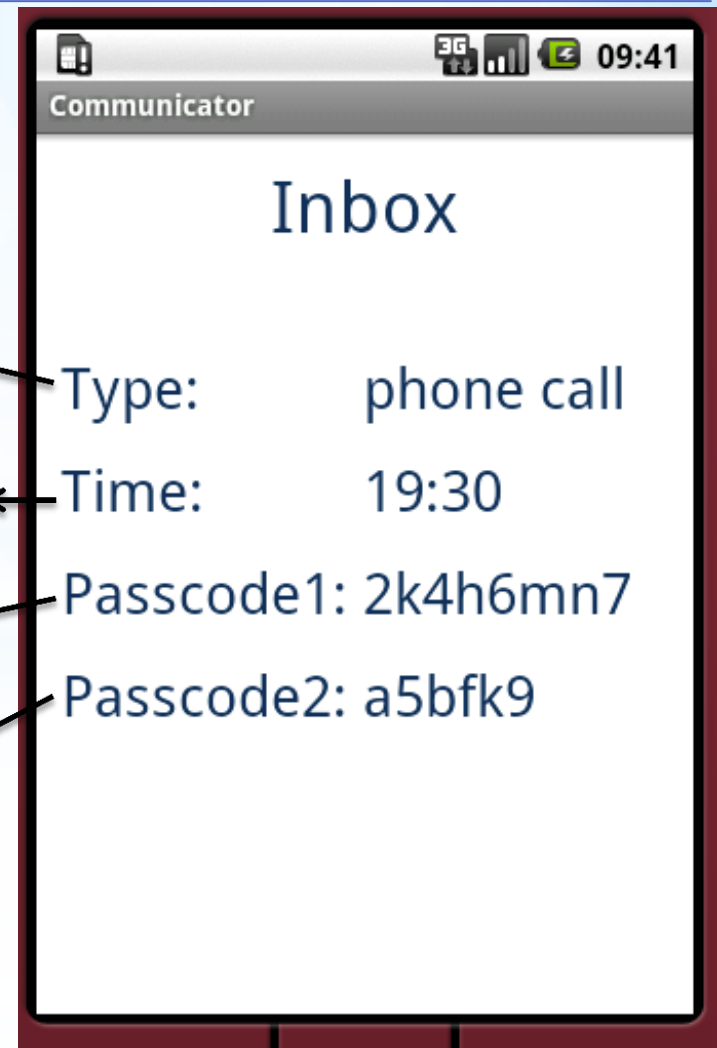
## *View message*

Type: *phone call* or *email*

Time to make the phone call

Passcode for the bank

Passcode for the user



## *Call message*

Time to make the phone call

Passcode for the bank

Passcode for the user

Communicator

### Call message

Time: 12:30

Passcode1: abc456g

Passcode2: mkjh32

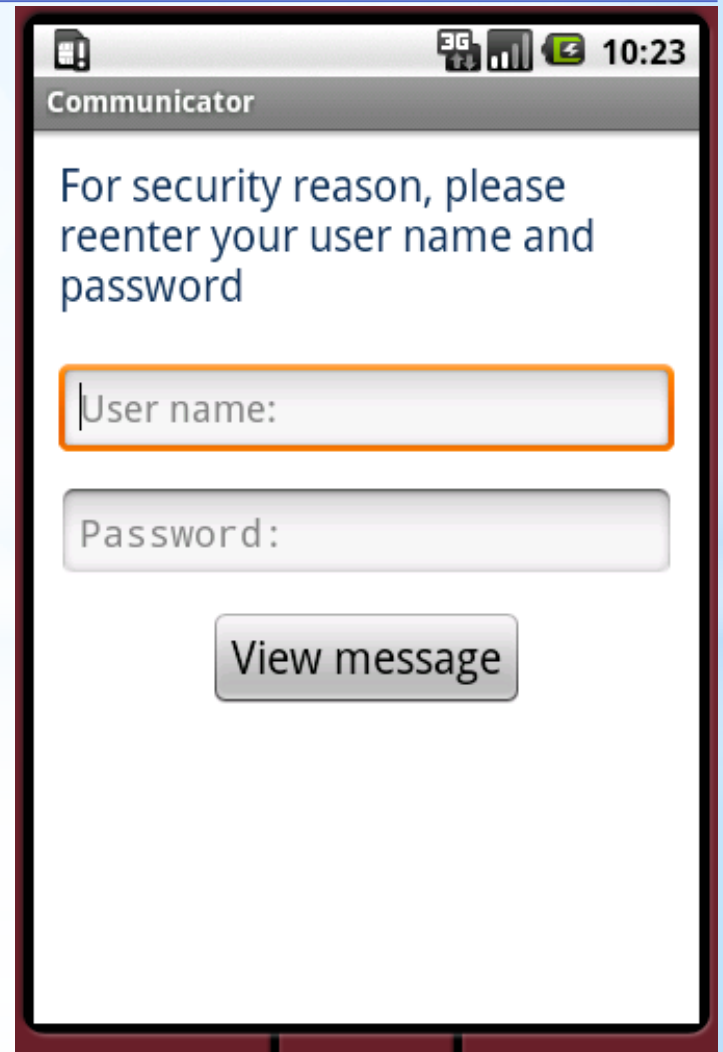
Send

## *Communicator* description:

### ***Security check -***

Type user name and  
password again

- View message
- Send message
- Change password

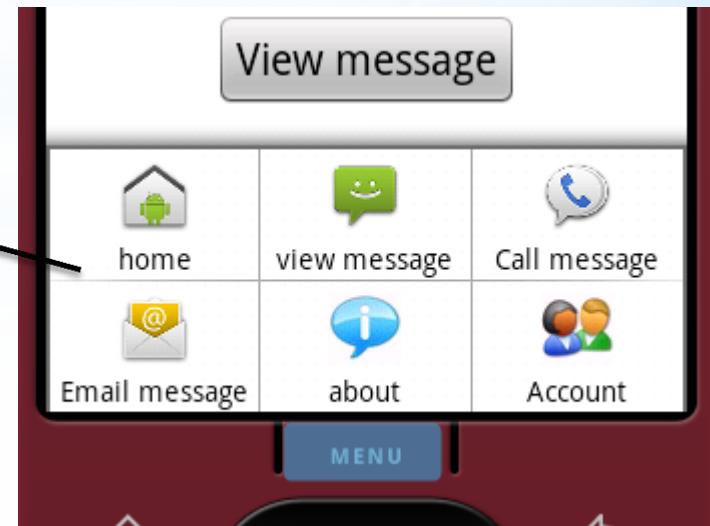
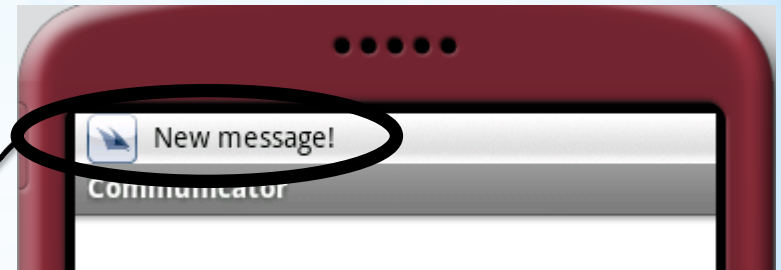


The screenshot shows the 'Communicator' app interface on a mobile device. At the top, the status bar displays '3G', signal strength, battery level, and the time '10:23'. The app title 'Communicator' is in the header. The main text reads: 'For security reason, please reenter your user name and password'. Below this, there are two input fields: 'User name:' (highlighted with an orange border) and 'Password:'. At the bottom, there is a 'View message' button.

## *Communicator* description:

Other features:

- Notification
- Menu bar





# Demonstration

## Running in Android Virtual Machine

- Android 1.5
- API level 3

## Conclusion

- Idea based on real problem
- Designed for enhancing the security by sending passcodes before the phone call or email
- Have other functions such as change password, bank locator

# Questions?