# Object-Oriented Analysis and Design Laboratory

# Session 2: System Requirements List

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1.) **Interview Summary:**

The main purpose of this application is give the comfortable in financial transaction to user. User can connect their bank account and/or other transaction applications to pay everything on this application. User will not necessary to bring his money when go to shop, he need only a smart phone. Moreover, the shops which register to be shop partner, they are given the scanner to scan QR code to easy to pay.

System Feature:

1.) Financial transaction such as trading, payment, and shopping.

2.) Generating QR code to recognize each user.

3.) Connecting bank accounts or other financial transaction application.

4.) Promotion

5.) Confirmation before using application and financial transaction.

6.) Keep financial transaction history.

7.) Managing limitation of the amount of money.

8.) Security of the system

9.) Login system

2.) **List of System Requirement:**

| Requirement | FURPS+ Category |
|---|---|
| -User must login before using the application | Function |

| | |
|---|---|
| -User must register a bank account before using the application | Function |
| -User must confirm his bank account via the system's sms | Function |
| -User can edit the user's information | Function |
| -System must confirm the user by fingerprint detection to authenticate using the application | Function |
| - System must confirm the user by fingerprint or face detection to authenticate before financial transaction | Function |
| -System must send the notification to user when has new promotion | Function |
| -System must keep the history of financial transaction | Function |
| -System must not work when the smart phone is connecting Wi-Fi | Function |
| -System must show the promotion advertisement when user open the application | Function |
| -System must not provide any payment transaction when the server crashes | Function |
| -The application must need the authentication to use when no one uses it more than 3 minutes | Function |
| -The system must generate QR code for each user accounts | Function |
| -User can choose language to display in this application | Usability |
| -There is the instruction for new user | Usability |
| -UI is easy to use | Usability |
| -System can recovery in less than a minute when the system crashes | Reliability |
| -System can back up the payment transaction history every month | Reliability |
| -The application uses the memory less than 500 mb in the smart phone | Performance |
| -The application consumes less battery | Performance |
| -System is going to use less than 5 seconds to finish the payment transaction | Performance |
| -System can update the amount of money in each bank account and other applications in 5 seconds | Performance |
| -System supports remote maintenance | Supportability |
| -System can user only on smart phone | + |
| -System can use data from the QR code scanner | + |