

DKatalis Take Home Test

Darius Sandatinus _ One Day Recruitment Program

This repository is contains test for dkatalist

DEMO:

[Deployed Web Application](#)

Installation

This project requires [Flutter](#) to be installed. For run in chrome...

```
flutter run -d chrome
```

Commands Available

The application support these command

Command	Description	Validation
login [username]	to login user	need logout first, username cannot have space
logout	logout current user	need login first
deposit [amount]	added balance to current user	need login first, amount need to be valid number, cannot 0
transfer [username] [amount]	transfer certain amount to specified user	need login first, amount need to be valid number, cannot 0, username need to be registered first, cannot send to own name
withdraw [amount]	deduct balance from current user	need login first, amount need to be valid number, cannot 0, withdraw amount cannot exceed current balance

Ambiguity

- Username is not case sensitive means alice is same with Alice – this is default behavior many application when we login, username (usually email always not case sensitive)
- Commands is case sensitive – command need to be case sensitive to more have robust system against typo
- User have surplus owe from target user and surplus balance: – when do the transfer it will deduct the owe first then the balance
- Cannot withdraw more than current balance – this is to prevent negative balance, that currently use owe, but withdraw is don't have any owe name
- When having owe to more than 1 people, deposit will pay the first in the list. – this is because we need to pay the oldest transaction first