

Meeting Notes:

6/7/21 7:30p

In Attendance:

Aaron, Huan

Client

Promises:

1 Server App, 2 Client Apps: ATM & Teller

TCP/IP

Save file/data structure

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6/9/21 7:30p

In Attendance:

Aaron, Dolu, Huan

Client

Encryption is appropriate but not required.

Not online banking

GUI does not need to be beautiful

Message Passing highly advised

Promises:

GUI ATM

Buttons

GUI TELLER

Buttons

Text on buttons

Text boxes

Good Documentation

Implementation in accordance with documentation.

TCP/IP

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6/14/21 7:30p

In Attendance:

Aaron, Dolu, Huan

Client

Maybe Joint Accounts

No withdrawal from negative account

Promises:

Negative Balances

Can deposit to negative account

Fees

Multiple Accounts

Types: Savings and Checking

Customer numbers + Account numbers

5k Max Transfer

Simple Dividend

ATM Local cash balance

Multiple Simultaneous users!

Balances precise to within one tenth of a penny (\$ 0.001)

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6/21/21 6:30p

In Attendance: Huan, Aaron, Dolu, Client

Any arbitrary number for fees & ATM balance

No joint accounts, unnecessary

Flexibility on designs

Create object, passing messages over

Limited messages?

Store into one file per account

Every line contains a single record

Name, account, balance

Should not be processing records live

Load records into memory

Database is reading from live

Tellers don't have accounts, have usernames

Different file for bank statements (or on the fly)

Encryption not needed unless confident

Promises:

Provide a way to store records offline

When booting up, read from records

Button on GUI (Insert a card)->drop down box of all available acc #

different levels of employees

Customers, account, employees, PIN

Don't do database, prebuilt

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6/23/21 6:15p

In Attendance: Aaron, Dolu, Client

Design docs needed and not ready. Must be complete/final rough draft by Monday

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6/28/21 6:15p

In Attendance: Huan, Aaron, Client

General Notes:

Promises:

Server logs messages

Threads do authentication

Assume Client and Server drop off

Client must reconnect to finish process

Server must watch for fake connections, late connections, or drop off

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7/7/21 7:00p

In Attendance: Huan, Aaron, Dolu, Client

Agenda: Q & A

General Notes:

Any interface for Server would be appropriate

Action Item:

Sequence Diagram Teller/Server

Sequence Diagram Message ATM

Sequence Diagram Message Teller

Promises:

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Attended	Huan L	Aaron G	Dolu O	
Date	7/9/21	Time	2:00pm	3:30PM

Objective:	Implementation	
Topic	Notes	Questions
PR Reviews	<ul style="list-style-type: none"> • Need to get done 	
ATM Transactions	<ul style="list-style-type: none"> • 1: Work in progress • 2: No 	<ul style="list-style-type: none"> • 1: How is it used? • 2: ATM keeps transaction data?
Pull Requests	<ul style="list-style-type: none"> • 1: Auto button at top just after commit and push 	<ul style="list-style-type: none"> • 1: How again?
Message & Packet	<ul style="list-style-type: none"> • msg.perform variable holds type: Process enum • Server only knows what is in the message • ATMPacket: for ATM login 	<ul style="list-style-type: none"> • How does Message work?
Customer File	<ul style="list-style-type: none"> • Just last transaction • Maybe include for each, ATM & Teller 	
Employee Class	<ul style="list-style-type: none"> • 1: Move to Teller 	<ul style="list-style-type: none"> • 1: Why are these methods? Why not Teller?
Customer / Employee vs User Naming	<ul style="list-style-type: none"> • No User in Teller • User only in ATM • 1: Yes, Accounts live inside Customer Object 	<ul style="list-style-type: none"> • 1: Customer can be made w/o Account?

GUI / Teller-ATM interaction	<ul style="list-style-type: none"> 1: Both will handle main ops. GUI readies info (to ATM or to Human) Teller is <i>very</i> large bc multiple roles: Customer, Employee, Supervisor 	<ul style="list-style-type: none"> 1: Will the GUI handle main ops or ATM?
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Action	Owner	Deadline
Pending Class	DO	7/9/21
ATMPacket empty constructor	AG	7/9/21
Fee Class	HL	7/9/21
AG PR Reviews	DO	7/9/21

Decision	Who	Why
ATM does not store transaction info	AG	No backup file
Move Employee Customer handling methods to Teller	HL	Teller is the focus for these operations anyway
Customer can be made w/o Account	AG	Existence of Customer precedes Account
Login uses hardcoded dummy credentials for early build out	AG	Server needs to validate credentials

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Attended	Huan L	Aaron G	Dolu O	
Date	7/13/21	Time	2:00pm	4:00PM

Objective	Presentation & Implementation
TOPIC:	New Meeting Notes
?	notes: <ul style="list-style-type: none"> Review last meeting
TOPIC:	Status update
<ul style="list-style-type: none"> Huan, Teller & GUI Dolu, ATM & GUI Aaron, Server 	<ul style="list-style-type: none"> Review Gantt Schedule
TOPIC:	Presentation Rehearsal
<ul style="list-style-type: none"> What is our Message solution? slides? 	<ul style="list-style-type: none"> 5 - 10min Basic description of project <ul style="list-style-type: none"> Functional Client ATM and Teller which interact with a bank Server Overview of fn reqs Overview high level design Intro/describe Message Solution
TOPIC:	Testing Plan
	<ul style="list-style-type: none"> Testing class for our implemented classes, rough draft Final draft, testing classes by someone other than implementer Due Tomorrow

Action Item	Owner	Deadline
Update Teller class diagram	HL	4PM
Update ATM class diagram	DO	4PM
Update Server class diagram	AG	4PM
Message Solution	AG	4PM
Get DO Eclipse fixed, sched OH w Prof.	DO	7/15

Decision	Who	Why
High Level design in presentation, use Class diagrams	HL	Best diagram for it that has been made/updated
Not doing slides	AG	other resources available

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Attended	Huan L	Aaron G	Dolu O	
Date	7/16/21	Time	2:00pm	4:00PM

Objective	Presentation & Implementation
TOPIC:	Status update
<ul style="list-style-type: none"> 1: Huan, Teller & GUI 2: Dolu, ATM & GUI 3: Aaron, Server 4: DO, Eclipse problem? 	<ul style="list-style-type: none"> Review Gantt Schedule 1:GUI this weekend Redo operations w new Message objects 2: GUI: Need to make actual text box, Login block finished, 3:Integration testing, database to server to Client Merged hardcoded server w Login and Logout for ATM & Teller 4:Generally fixed class/file structure issues
TOPIC:	New Message System
<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Message Objects No Packets Everything done through constructor Process enum still used, internally ATMLogin TellerLogin Balance AccessCustomer

TOPIC: Junit	
<ul style="list-style-type: none"> 1:Started unit testing? 	<ul style="list-style-type: none"> Do one for each class that has in/out methods Do tests for each of these methods Test Plan must reflect the full coverage of these tests i.e. Money.add(Money): Money, test expected 1:DO/AG no, HL?
TOPIC: Requirement Rollback	
<ul style="list-style-type: none"> 1:5k? 2:Local ATM cash? 	<ul style="list-style-type: none"> Fee, Dividend, Negative Balanced specifically mentioned by Client Rollback Fake Cash 1: Rollback Rollback Pending 2: Rollback local ATM balance
TOPIC: File Handler	
<ul style="list-style-type: none"> 1: Is this a Client thing? 	<ul style="list-style-type: none"> Due Tuesday CustomerFileHandler SaveCustomers - DO LoadCustomers - DO EmployeeFileHandler SaveEmployees - HL LoadEmpoyess - HL Errors must halt loading and report corrupted line item of .csv 1: no, exist only in Server

Action Item	Owner	Deadline
ATM GUI	DO	7/20
Message Op Objects	AG	7/18
Account toString	AG	7/17
addEmployee in DataBase	AG	7/18
Employee File Handler	HL	7/20
Customer File Handler	DO	7/20

Decision	Who	Why
Rollback Pending	DO	Running out of time
Rollback local ATM cash	AG	Time and rare issue
Rollback 5k	AG	No where implemented yet
Keep separate file handling classes	AG	Github tracks line numbers

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Attended	Huan L	Aaron G	Dolu O	
Date	7/20/21	Time	2:00pm	3:00PM

Objective	Complete Documentation, Test Plan, Implementation Wrap Up			
TOPIC:	Last Meeting Action Items			
?:	:notes			
<ul style="list-style-type: none"> • AG • HL • DO 	<ul style="list-style-type: none"> • ATM GUI, working on • Message Op Objects, Login/Logoutd done and tested, rest working on • Account toString, done • addEmployee to DataBase, done • Employee File Handler, init build • Customer File Handler, working on it 			
TOPIC:	Status update			
<ul style="list-style-type: none"> • Huan, Teller & GUI • Dolu, ATM & GUI • Aaron, Server 	<ul style="list-style-type: none"> • Review Gantt Schedule • 			
TOPIC:	Employee: Login or ID, currently both			
<ul style="list-style-type: none"> • Login or ID 	<ul style="list-style-type: none"> • Login is more conventional, but would require more data structures and handling • Employees are already sorted by ID 			
TOPIC:	Use Case Specification 0721 complete update			
<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • ATM: DO • Teller: HL • Server: AG 			
TOPIC:	Use Case Diagram 0721 complete update			
<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • ATM/Server: DO • Teller/Server: HL • Server/File: AG 			

TOPIC:	Class Diagram 0721 complete update
•	<ul style="list-style-type: none"> • ATM: DO • Teller: HL • Server: AG
TOPIC:	Sequence Diagram 0721 complete update
•	<ul style="list-style-type: none"> • ATM/Server: DO • Teller/Server: AG
TOPIC:	Test Plan
•	<ul style="list-style-type: none"> • By Gantt Chart • Wed 4pm • Junit and Jsuite by Sunday
TOPIC:	Design Doc 0726
•	<ul style="list-style-type: none"> • By Gantt Chart • Final and complete • by Sunday

Action Item	Owner	Deadline
add name to ATMLogin	AG	7/21
Upload ATM GUI branch to GitHub	DO	7/20

Decision	Who	Why
Rollback Local ATM Cash validation for now	DO	If time permits will add later
Keep Employee login username	DO	conventional
Have ATM display name of Customer	DO	Looks good
No Supervisor class	HL	redundant to Employee

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Attended	Huan L	Aaron G	Dolu O	Client
Date	7/21/21	Time	5:50pm	6:10PM

Objective	Final Client Meeting
TOPIC:	Expectations
?: <ul style="list-style-type: none"> • 1: What about small changes? • 2: Slides needed? 	:notes <ul style="list-style-type: none"> • Tonight's design should largely reflect final submission • 1: Small changes ok • Large changes will affect grade negatively • 2: Probably, at least a few • Use slides for timing and notes to audience
TOPIC:	Full Documentation > Full implementation
<ul style="list-style-type: none"> • How necessary is full implementation? 	<ul style="list-style-type: none"> • 1: A skeleton framework is ok • Core areas complete
TOPIC:	Current Status
<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Login/Logout solid • Most core areas built not tested