MODULE 3

TEST EXECUTION

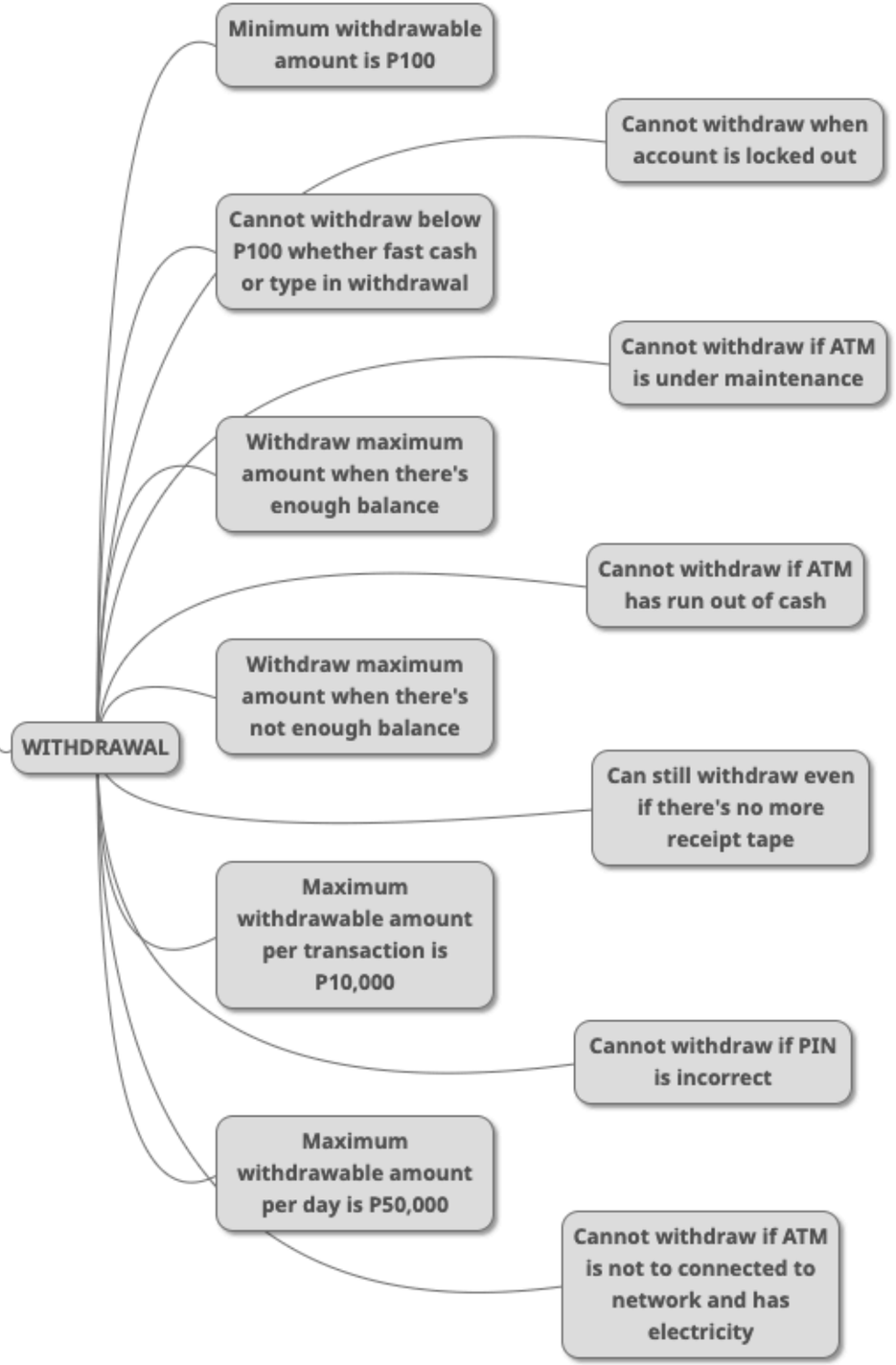
CHAPTER 8

Testing in Sessions

Focusing on the mission

Exploratory Testing

Simultaneous LEARNING,
test DESIGN,
and test EXECUTION
– James Bach


WITHDRAWAL
Minimum withdrawable amount is P100
Cannot withdraw when account is locked out
Cannot withdraw below P100 whether fast cash or type in withdrawal
Cannot withdraw if ATM is under maintenance
Withdraw maximum amount when there's enough balance
Cannot withdraw if ATM has run out of cash
Withdraw maximum amount when there's not enough balance
Can still withdraw even if there's no more receipt tape
Maximum withdrawable amount per transaction is P10,000
Cannot withdraw if PIN is incorrect
Maximum withdrawable amount per day is P50,000
Cannot withdraw if ATM is not to connected to network and has electricity

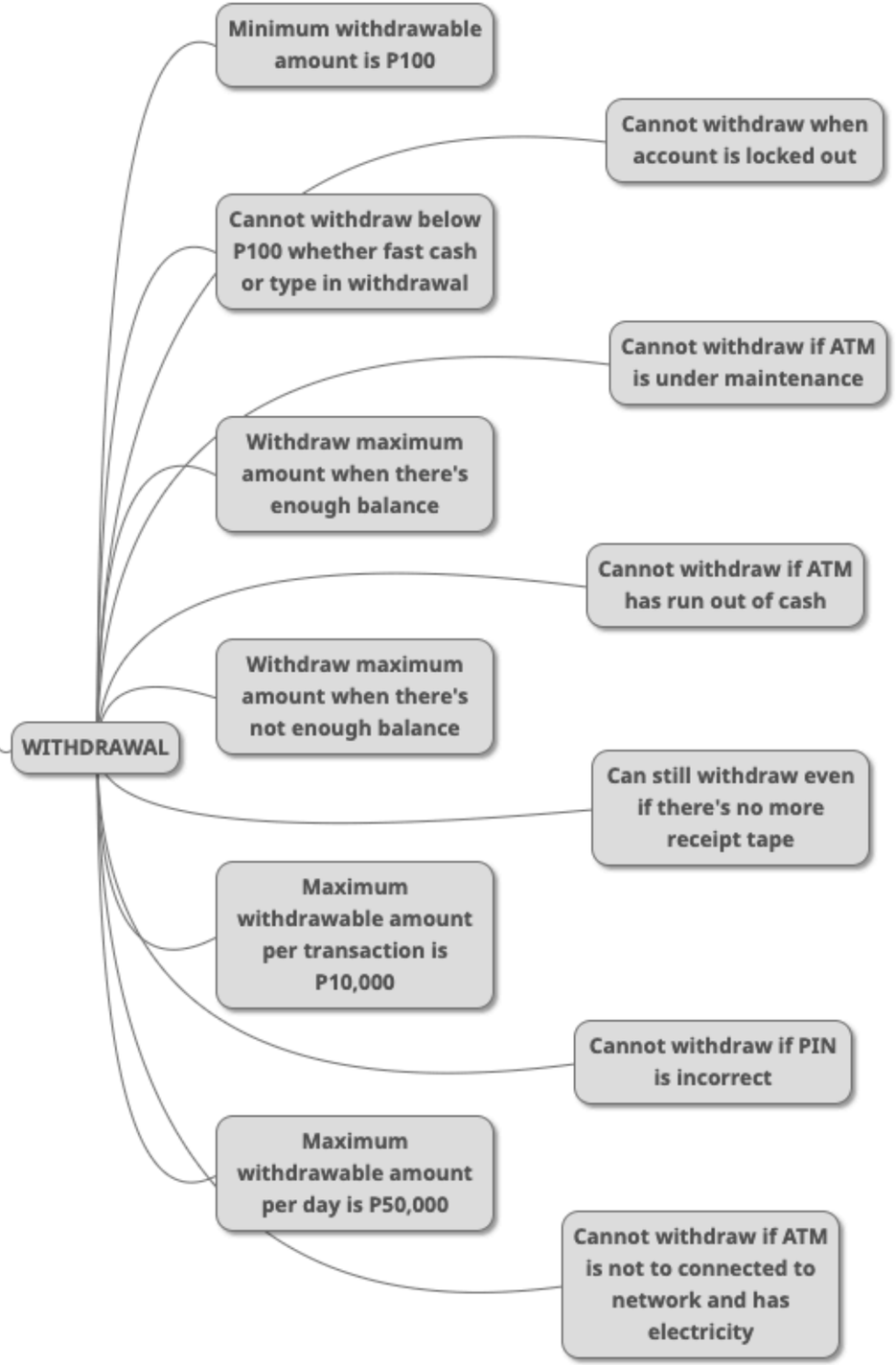
SESSION

basic testing work unit
uninterrupted block of the chartered test effort

SESSION as a Mission

what are we testing (area)

what **problems** (info) are we looking for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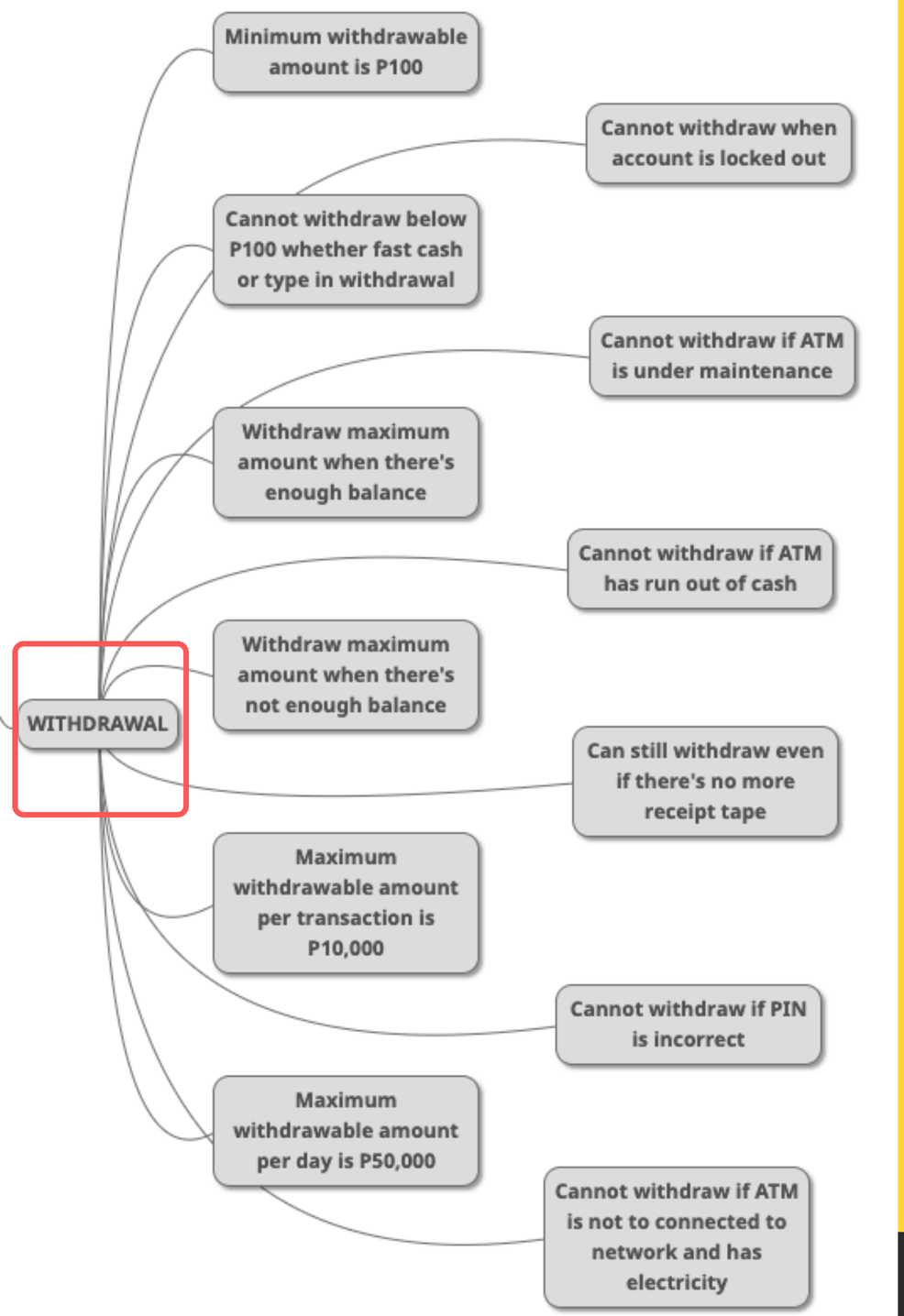
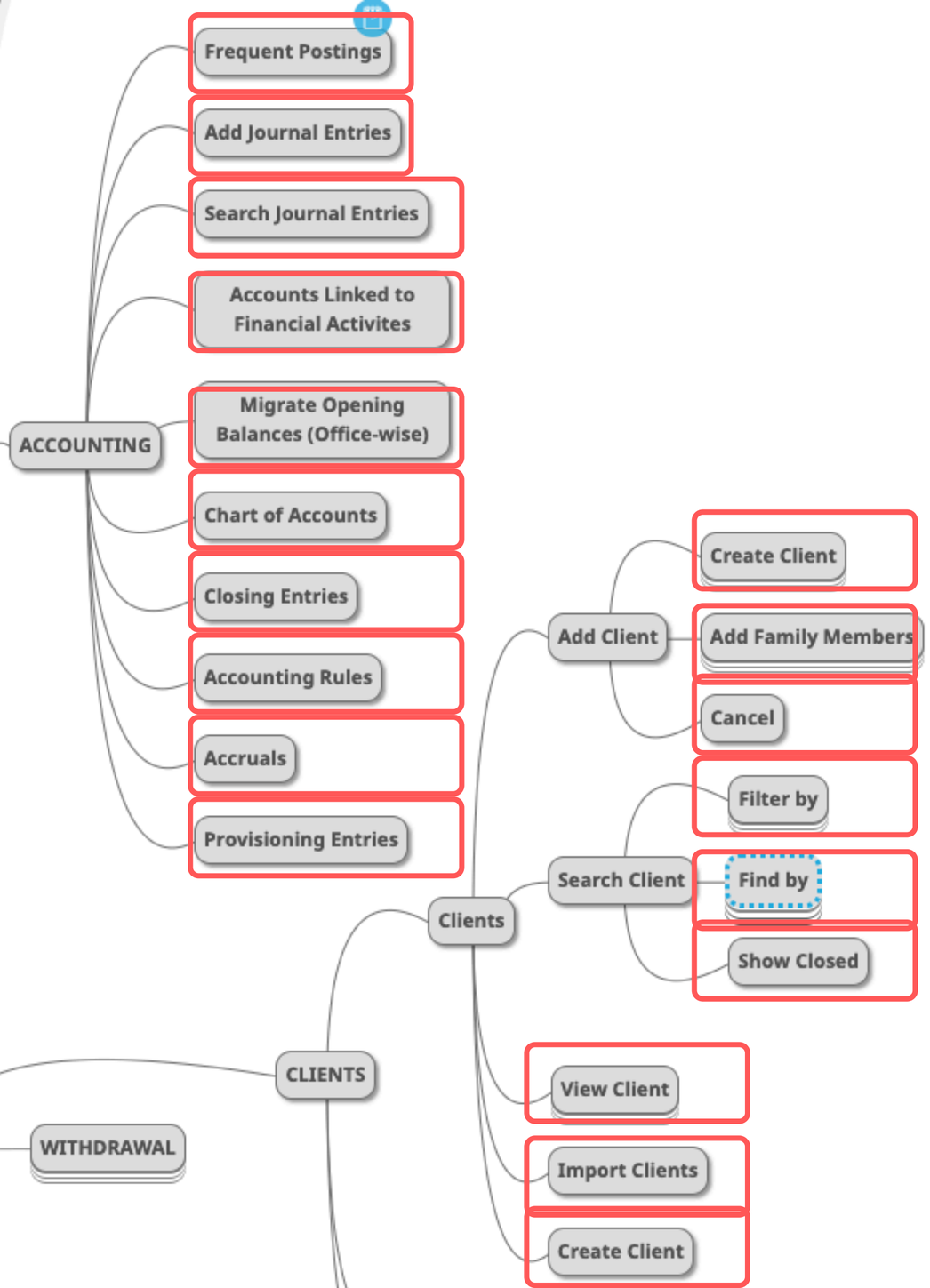


Test session for Withdrawal



Each **feature** can be a test session... depending on **size** and **complexity**

Test Session Durations

30 minutes

45 minutes

60 minutes

or even 90 - 120 minutes!

Test Session allows

planning
timebox
focus
quick feedback

CHAPTER 9

Anatomy of a Session-based Testing

Setting more structure

Elements of Session-based Testing

Mission - purpose of the session, helps focus on the session while exploring
- answers "what are we testing?" or "what problems are we looking for?"

Charter - agenda of the test session

Session - uninterrupted period of time spent testing

Session Report - records what happened in the test session

Debrief - short discussion between the manager and tester (or testers) about the session report (done at the end of the test sessions for the day)

Session Report

- **Task / Feature to be tested**
- **Tester name** - person in charge
- **Task Breakdown** - TBS
- **Date and time started**
- **Data files** - any files the tester used or created to support their testing like test data, files to be uploaded/imported
- **Notes** - test charters to add, challenges, blockers
- **Bugs** found during test session

Session Report

Task / Feature to be tested	Tester Name	Task Breakdown	Duration
		Session Setup: put money on ATM, replenish tape, ATM cards	15
		Test design and execution	45
Withdraw	Mitch	Bug investigation and reporting	15

Date and time started	Data files	Tester Notes	Bug
June 9, 2021 3:00 PM			
June 10, 2021 10:00 AM	<file name>	I need 5 ATM cards more	<bug summary with link>
June 10, 2021 10:00 AM			

Task Breakdown

Test design and execution

Bug investigation and reporting

Session Setup - prerequisites to execute tests, including clearing all existing test data, fresh data upload, registration, etc

Task Breakdown

Task Breakdown	Duration
Session Setup: put money on ATM, replenish tape, ATM cards	15
Test design and execution	45
Bug investigation and reporting	15

ACTIVITY

FROM THEORY TO PRACTICE

CHAPTER 10

Running Test Sessions

Execution time

PAIR TESTING

two team members work together,
one does the **testing** on the app and
updates the test charters,
and the other ***analyzes*** *or* ***reviews the testing*** *(did we miss any tests? what should we add?)*

POMODORO TECHNIQUE

- 25 Minutes heads-down testing, 5 minutes break
- What should we do in the 5 minutes “break”?
  - Update tests for missed test charters
  - File bugs
  - Bio break
- Better if done in pairs, after first 30 minutes, swap
- Proceed with next Test Charter

POMODORO TECHNIQUE

- Enhances focus
- Boosts motivation
- Refines estimation
- Improves work
- Achieves goals

When running test sessions...

- *do both the Pomodoro Technique as well as the pair testing*
- *after 25 minutes, get a 5-minute break to analyze what happened*
  - *what did we miss?*
  - *what should we add?*
  - *report bugs*
  - *update your test session report*

ACTIVITY

FROM THEORY TO PRACTICE

Analyze your first session-based testing

what happened?

what can be improved?

was I able to do my task?

how about my pair?

ACTIVITY

FROM THEORY TO PRACTICE