Documentation process for Fundamentals of Software testing project

- specify core elements of system

create demo connections of system

create simple inerataction

first test – offline verification techinques – luhn check

this is does since these elements can be verified without integration tests

(overall aporach unit tests → integration tests → system tests)

Assumption – date is inputted as follows – mm/yy

(write an assumption for all of the inputs that are received mocked and also set up)

assumption – there no limitations for address, name and ccv

assumption – the possible states of a transaction consist of

* capture
* void
* invalid
* refund?
* authorise

Valid Operations Step:

1. Verify Luhn
2. verification checks for other details
3. Authorisation request to bank
4. Record transaction
5. Capture

modified verifyLuhm from boolean to int

Payment process is the next one to be developed – the first tests for these are the expections as they are the simpler option to handle

Testing approach – start from edge cases then go into generic tests – this ensures better code coverage and that the system is tested fully