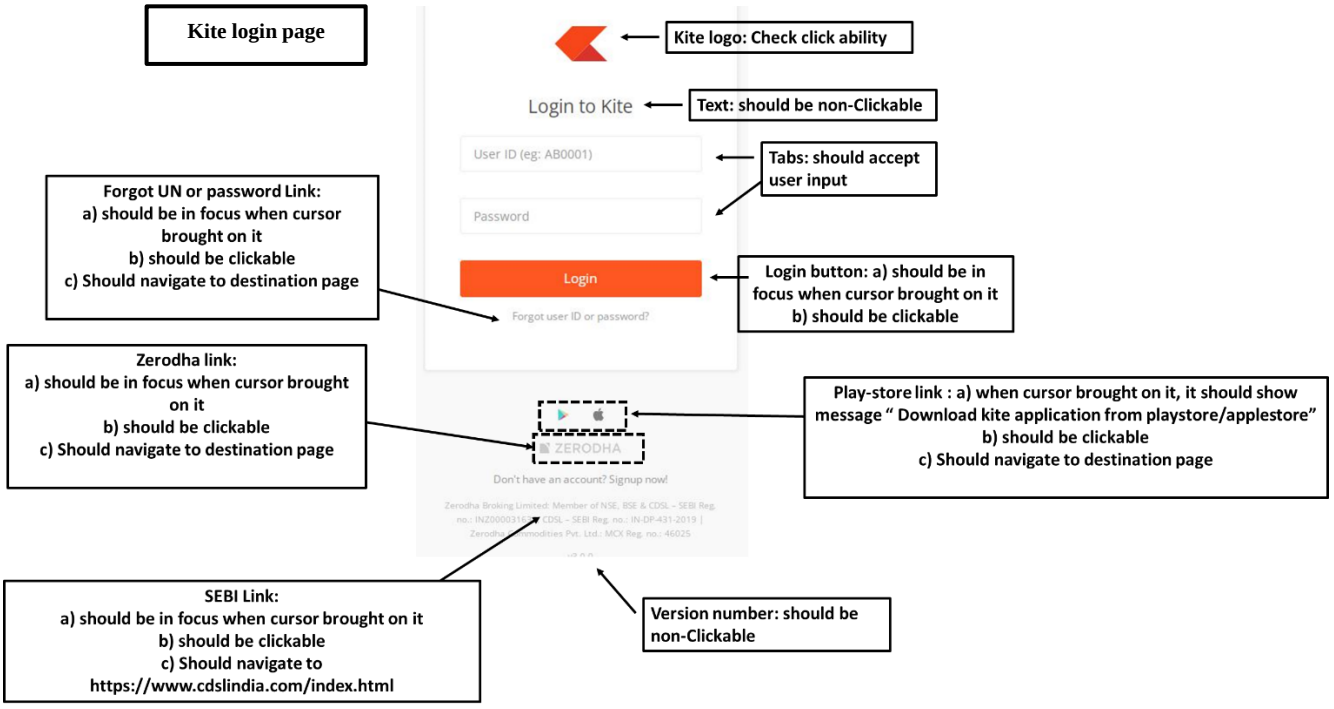
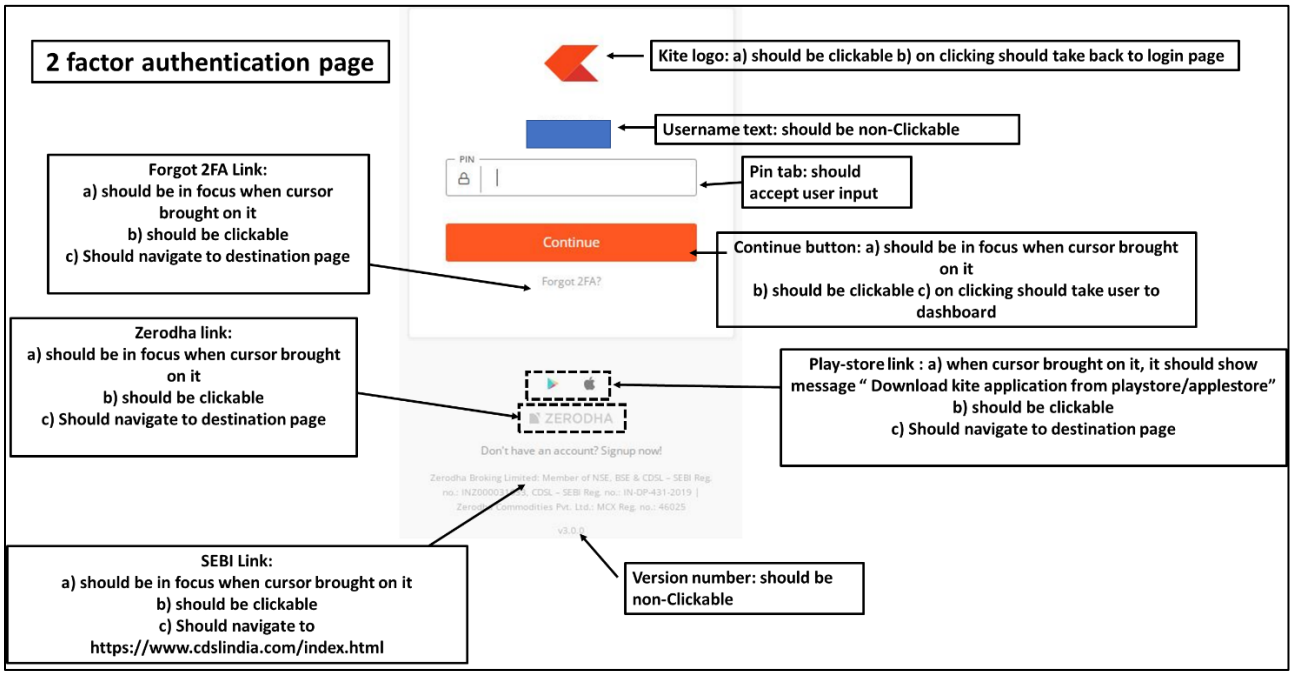
Kite website

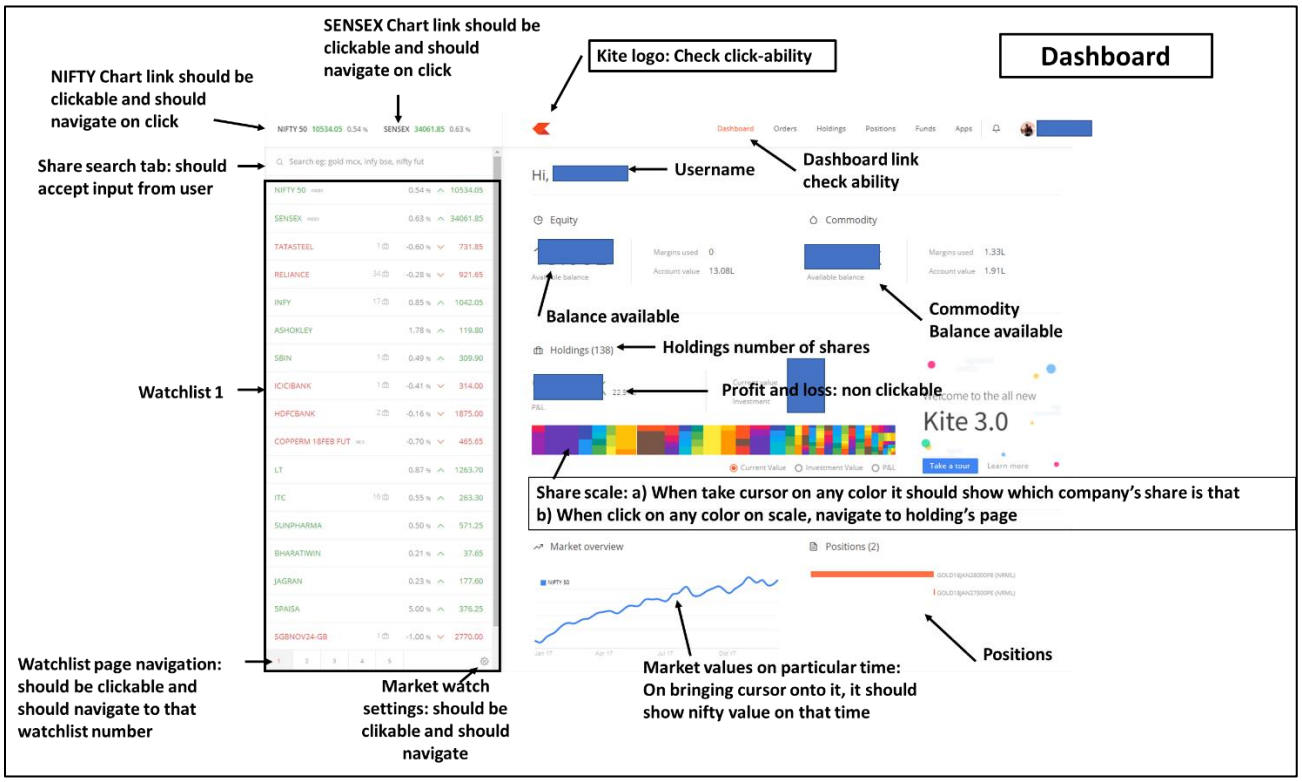
1) **Task: How a tester will perform a different functionality testing on kite application?**

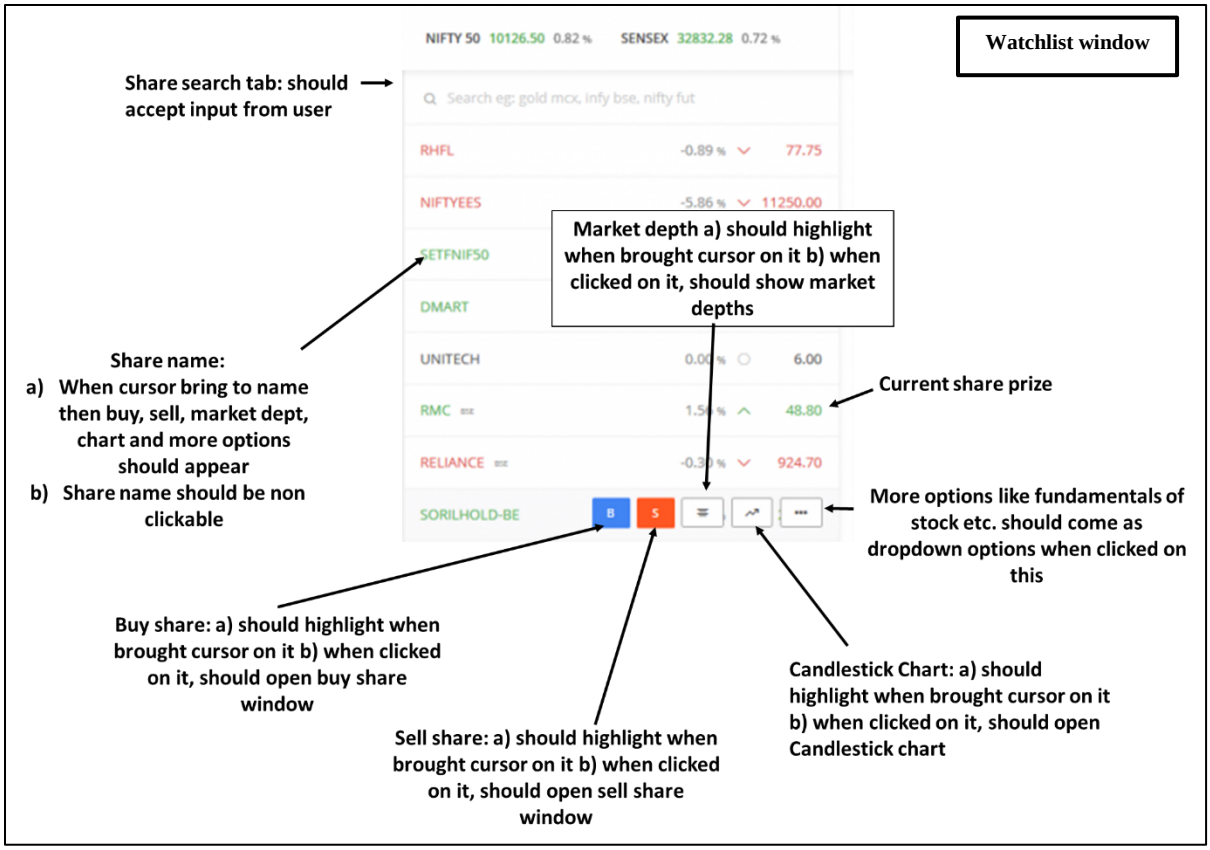
Functionality testing: In this type of testing, tester **validate the internal functionality** (coding) of an application **based on external functionality**/front end. Here we execute our test cases. There are **total 6 types/coverages** in functionality testing:1) Behavioral coverage 2)Error handling coverage 3) Backend coverage 4) Service level coverage 5) Calculation based coverage 6) Input domain coverage

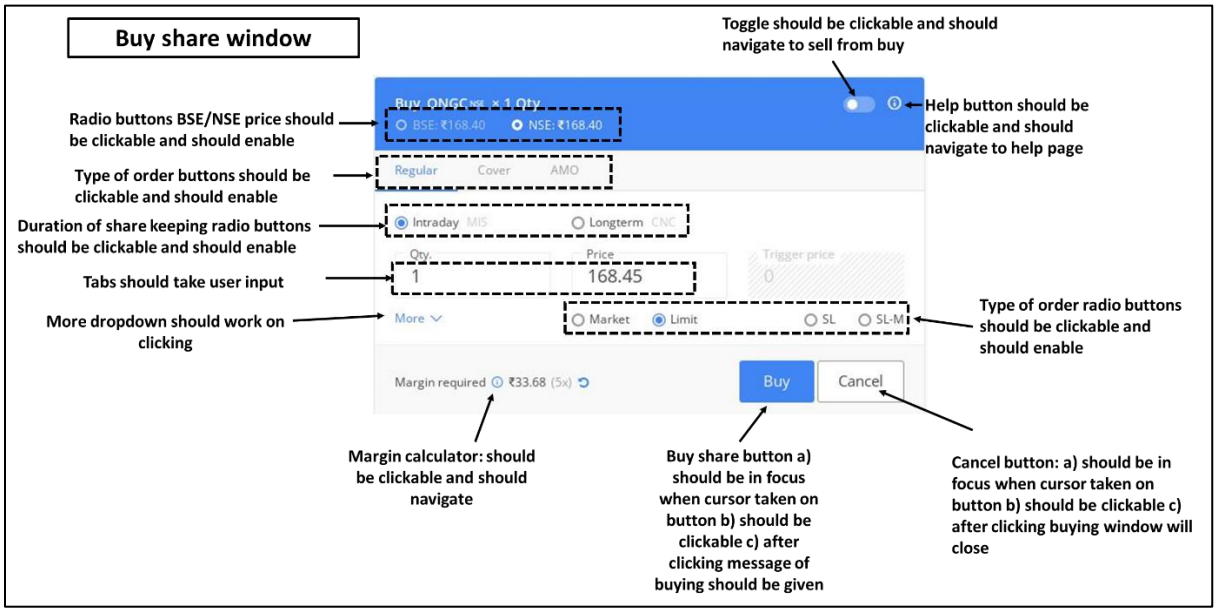
1) **Behavioral coverage:** As a tester we validate the behavior of the objects/web elements in an application. We simply check all the objects like checkbox, radio buttons are working properly according to Stakeholder's requirement or not. Eg. In kite app:



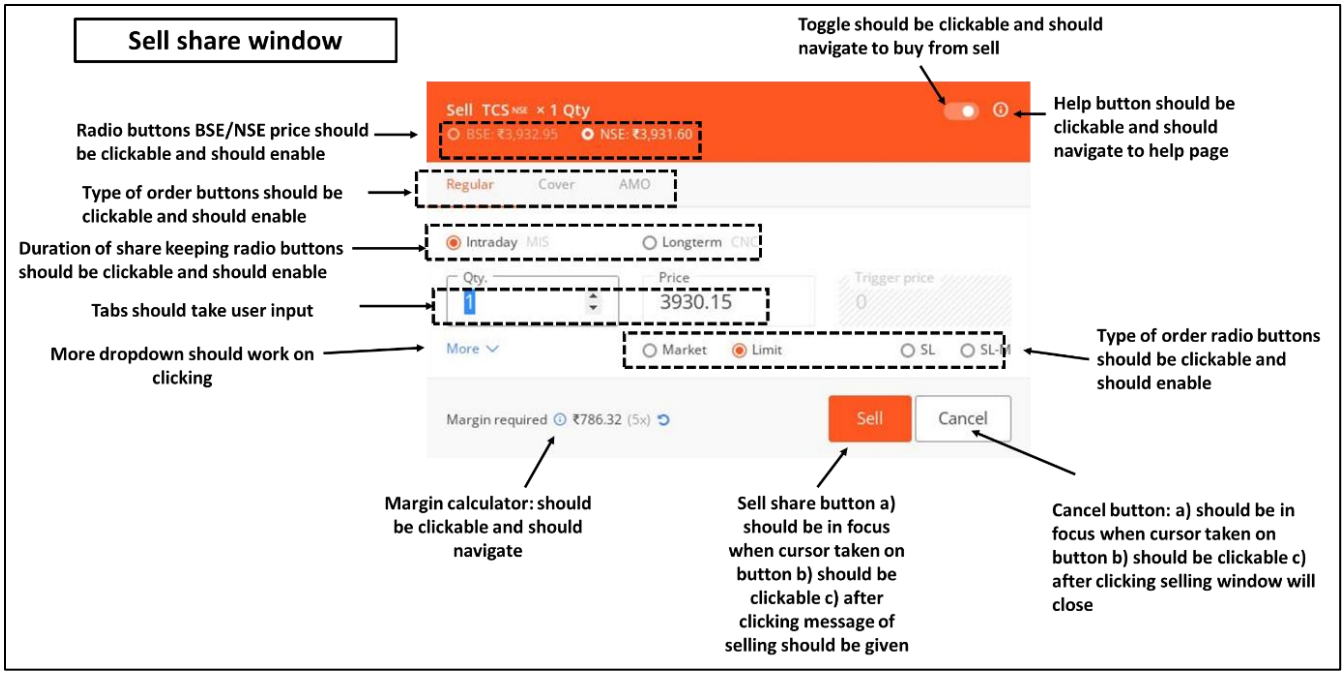

2 factor authentication page
Kite logo: a) should be clickable b) on clicking should take back to login page
Username text: should be non-Clickable
Forgot 2FA Link:
a) should be in focus when cursor brought on it
b) should be clickable
c) Should navigate to destination page
Pin tab: should accept user input
Continue
Continue button: a) should be in focus when cursor brought on it
b) should be clickable c) on clicking should take user to dashboard
Forgot 2FA?
Zerodha link:
a) should be in focus when cursor brought on it
b) should be clickable
c) Should navigate to destination page
Play-store link : a) when cursor brought on it, it should show message " Download kite application from playstore/applestore"
b) should be clickable
c) Should navigate to destination page
ZERODHA
Don't have an account? Signup now!
SEBI Link:
a) should be in focus when cursor brought on it
b) should be clickable
c) Should navigate to https://www.cdslindia.com/index.html
Version number: should be non-Clickable


Dashboard
SENSEX Chart link should be clickable and should navigate on click
Kite logo: Check click-ability
NIFTY Chart link should be clickable and should navigate on click
Share search tab: should accept input from user
Username
Dashboard link check ability
Balance available
Commodity Balance available
Holdings number of shares
Profit and loss: non clickable
Watchlist 1
Share scale: a) When take cursor on any color it should show which company's share is that
b) When click on any color on scale, navigate to holding's page
Positions
Watchlist page navigation: should be clickable and should navigate to that watchlist number
Market watch settings: should be clikable and should navigate
Market values on particular time: On bringing cursor onto it, it should show nifty value on that time

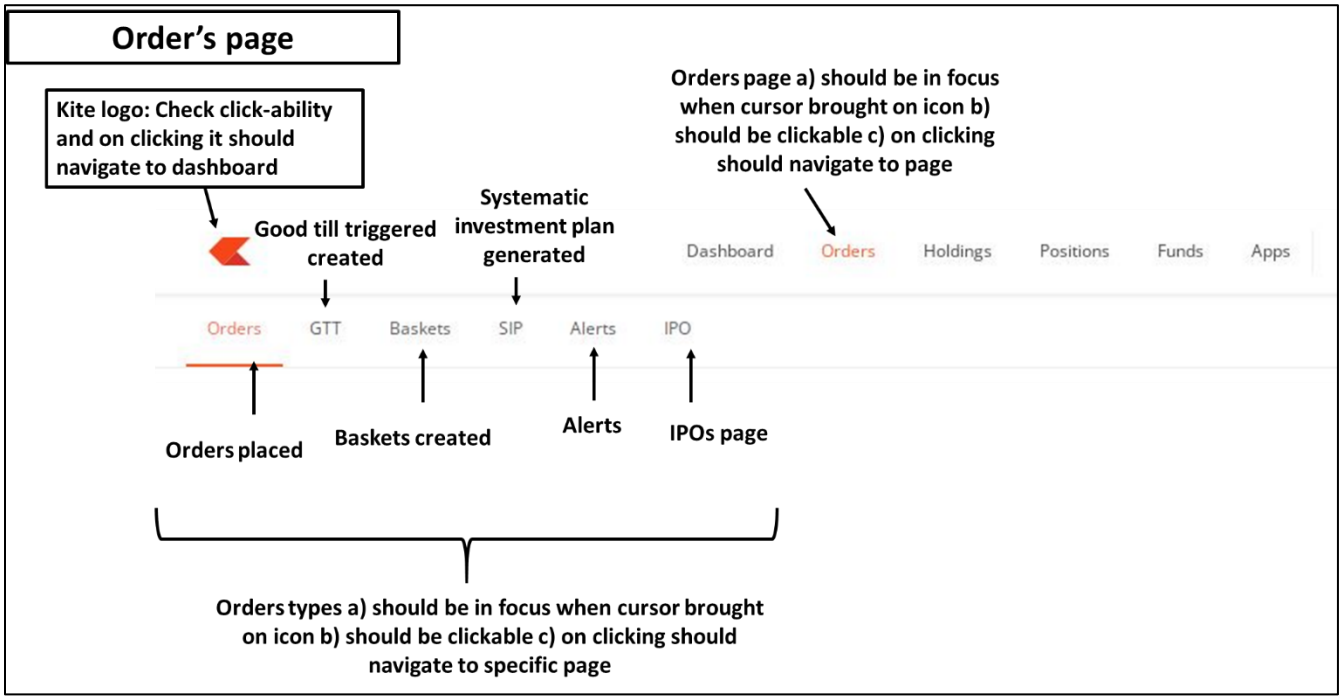

Watchlist window
NIFTY 50 10126.50 0.82 %
SENSEX 32832.28 0.72 %
Share search tab: should accept input from user
Search eg: gold mcx, infy bse, nifty fut
RHFL -0.89 % 77.75
NIFTYEES -5.86 % 11250.00
SETFNIF50
DMART
UNITECH 0.00 % 6.00
RMC 1.56 % 48.80
RELIANCE -0.30 % 924.70
SORILHOLD-BE
B
S
Market depth a) should highlight when brought cursor on it b) when clicked on it, should show market depths
Share name:
a) When cursor bring to name then buy, sell, market dept, chart and more options should appear
b) Share name should be non clickable
Current share prize
More options like fundamentals of stock etc. should come as dropdown options when clicked on this
Buy share: a) should highlight when brought cursor on it b) when clicked on it, should open buy share window
Sell share: a) should highlight when brought cursor on it b) when clicked on it, should open sell share window
Candlestick Chart: a) should highlight when brought cursor on it b) when clicked on it, should open Candlestick chart

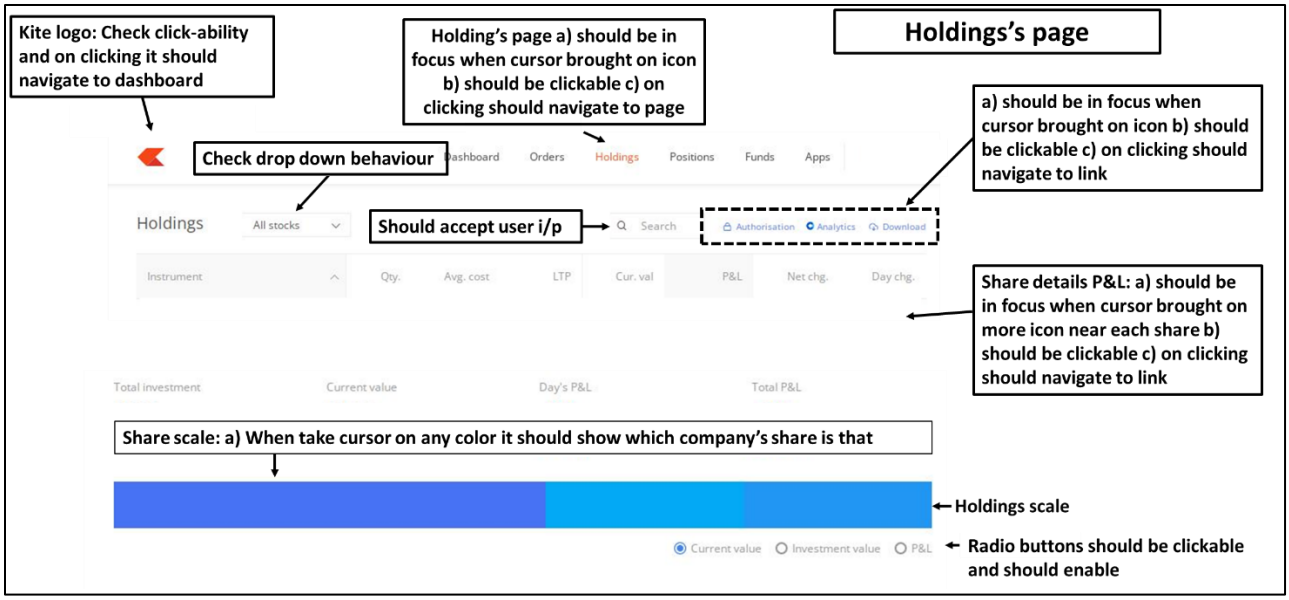

Buy share window
Toggle should be clickable and should navigate to sell from buy
Buy ONGC ... x 1 Qty
BSE: ₹168.40
NSE: ₹168.40
Help button should be clickable and should navigate to help page
Radio buttons BSE/NSE price should be clickable and should enable
Regular
Cover
AMO
Type of order buttons should be clickable and should enable
Intraday MIS
Longterm CNC
Duration of share keeping radio buttons should be clickable and should enable
Qty
Price
Trigger price
1
168.45
0
Tabs should take user input
More
Market
Limit
SL
SL-M
More dropdown should work on clicking
Type of order radio buttons should be clickable and should enable
Margin required ₹33.68 (5x)
Buy
Cancel
Margin calculator: should be clickable and should navigate
Buy share button a) should be in focus when cursor taken on button b) should be clickable c) after clicking message of buying should be given
Cancel button: a) should be in focus when cursor taken on button b) should be clickable c) after clicking buying window will close

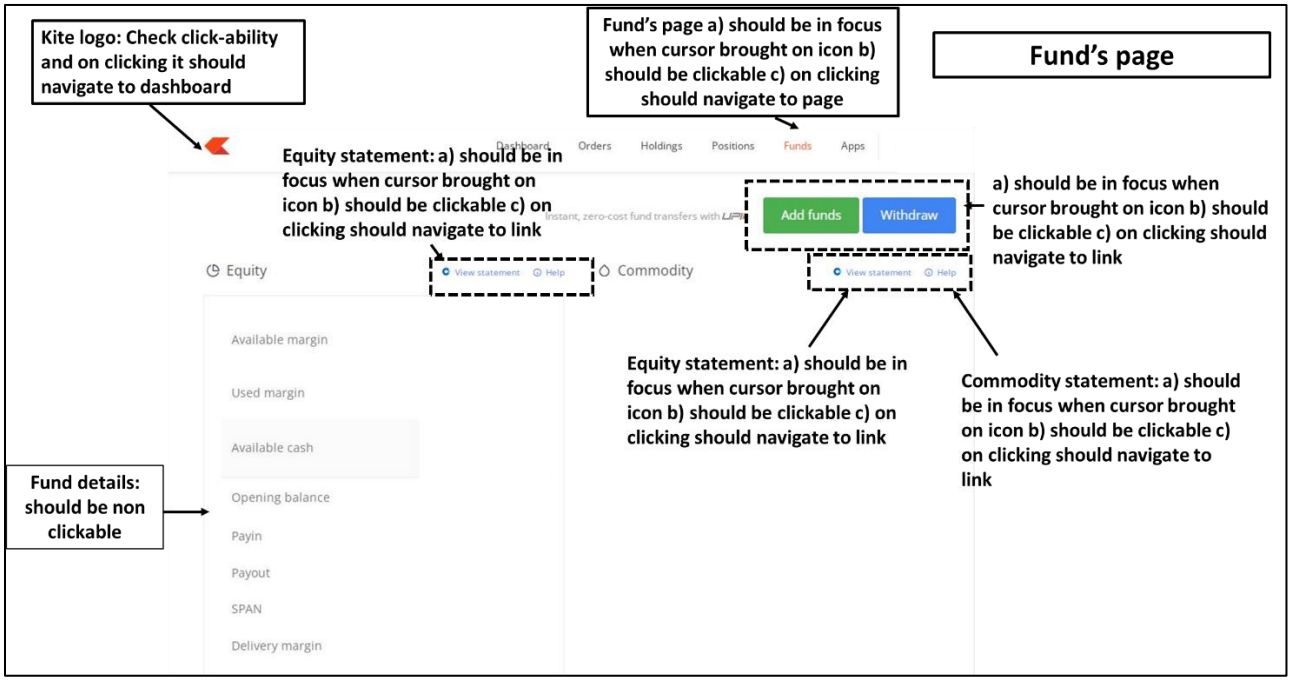
Sell share window



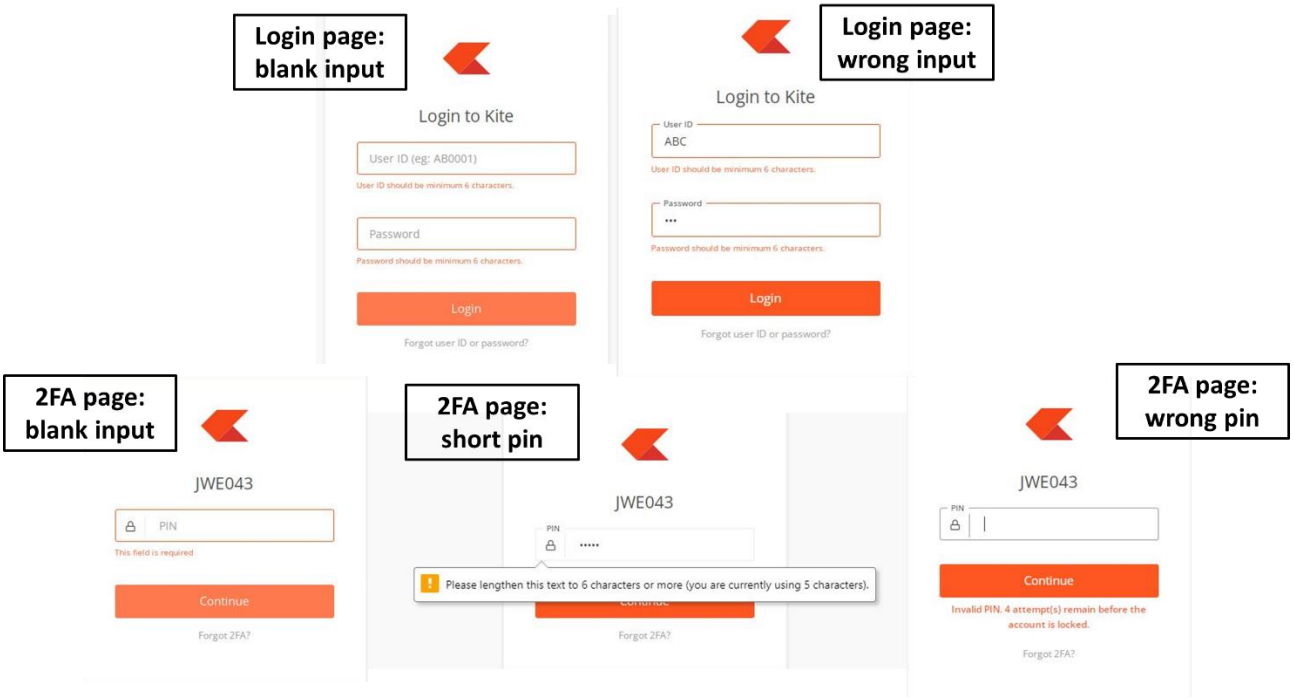
Order's page



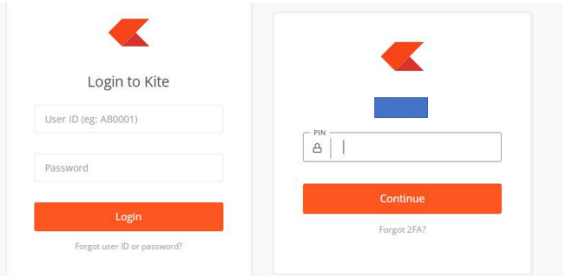

Holdings's page
Kite logo: Check click-ability and on clicking it should navigate to dashboard
Holding's page a) should be in focus when cursor brought on icon b) should be clickable c) on clicking should navigate to page
a) should be in focus when cursor brought on icon b) should be clickable c) on clicking should navigate to link
Check drop down behaviour
Dashboard
Orders
Holdings
Positions
Funds
Apps
Holdings
All stocks
Should accept user i/p
Search
Authorisation
Analytics
Download
Instrument
Qty.
Avg. cost
LTP
Cur. val
P&L
Net chg.
Day chg.
Share details P&L: a) should be in focus when cursor brought on more icon near each share b) should be clickable c) on clicking should navigate to link
Total investment
Current value
Day's P&L
Total P&L
Share scale: a) When take cursor on any color it should show which company's share is that
Holdings scale
Current value
Investment value
P&L
Radio buttons should be clickable and should enable


Fund's page
Kite logo: Check click-ability and on clicking it should navigate to dashboard
Fund's page a) should be in focus when cursor brought on icon b) should be clickable c) on clicking should navigate to page
Dashboard
Orders
Holdings
Positions
Funds
Apps
Equity statement: a) should be in focus when cursor brought on icon b) should be clickable c) on clicking should navigate to link
Add funds
Withdraw
a) should be in focus when cursor brought on icon b) should be clickable c) on clicking should navigate to link
Equity
View statement
Help
Commodity
View statement
Help
Available margin
Used margin
Available cash
Opening balance
Payin
Payout
SPAN
Delivery margin
Fund details: should be non clickable
Equity statement: a) should be in focus when cursor brought on icon b) should be clickable c) on clicking should navigate to link
Commodity statement: a) should be in focus when cursor brought on icon b) should be clickable c) on clicking should navigate to link

2)Error handling coverage: As a tester we are validating what are different types of error message are present in the objects when wrong data is entered. For example, in kite application:



3)Backend coverage: As a tester we are validating whether front end operations are stored in backend or not. The communication between front and back end will be done through SQL. For example, in kite application:

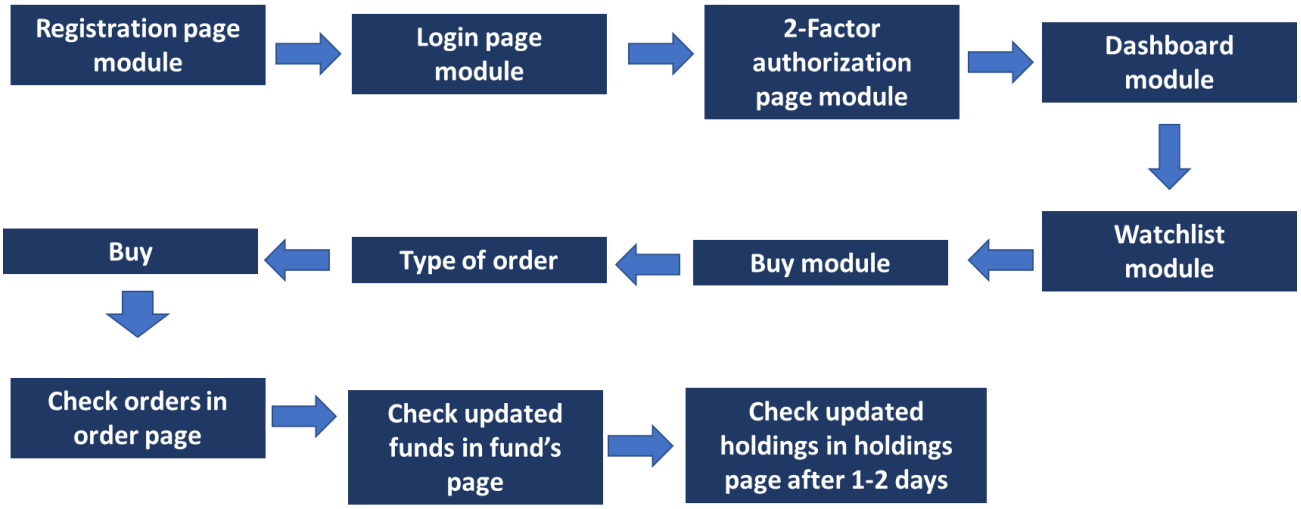
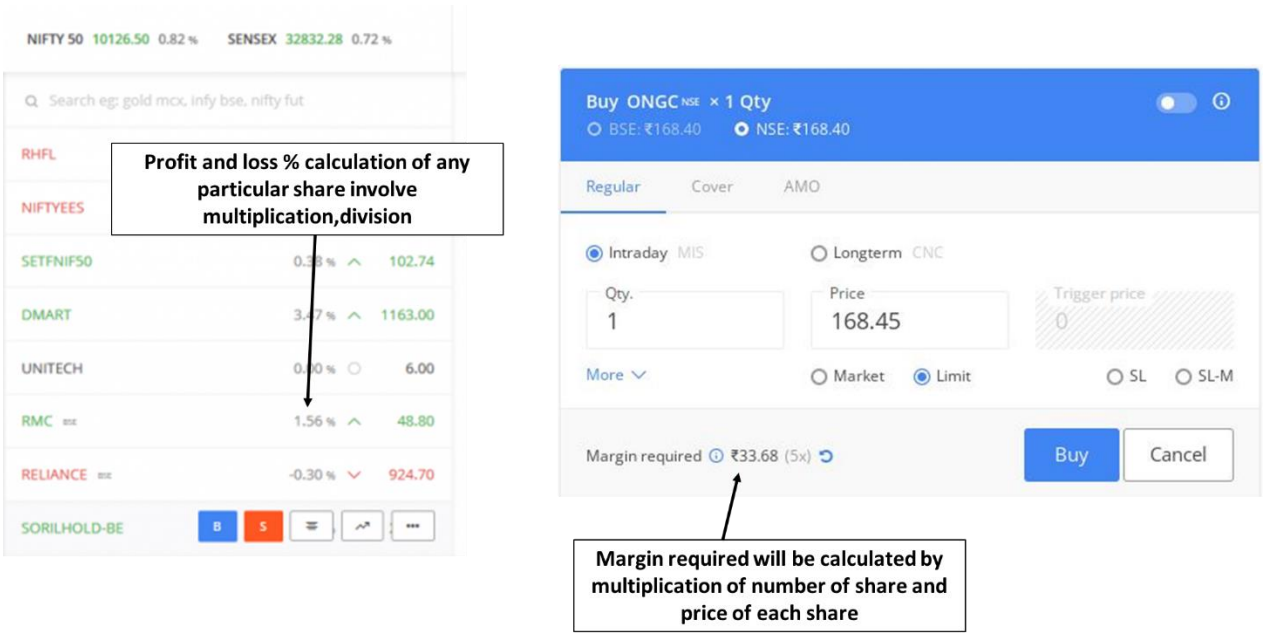


Communication using structural query language (SQL)

Serial number	Name	User ID	Password	Pin
1	ABC	xxxxx	xxxxx	xxxxx
2	XYZ	xxxxx	xxxxx	xxxxx
3	OPQ	xxxxx	xxxxx	xxxxx
4	LMN	xxxxx	xxxxx	xxxxx
5	DEF	xxxxx	xxxxx	xxxxx

Backend tables

4) **Service based coverage**: Validating the functional flow diagram (given by product owner) whether it is correct or not. For example: Flow diagram of kite application.



5) **Calculation based coverage:** As a tester we validate / check arithmetic operations. (i.e. addition, subtraction, multiplication, & division) For example: In kite application.