



# Thinking Hut

A NextGenTech Company

# Why is Testing Needed

Defects hide and can cause software failure.  
Testing assures quality.

**Verification:** Are we building the product right?

**Validation:** Are we building the right product?



## Expectations from Testing

- Find the bugs.
- Find the bugs early.
- Ensure that the bugs have been fixed.

## Facts & Figures

- We follow Agile methodology in testing to align with development and customer needs.
- Average number of weeks for feature release : 6-8 and 2-4 weeks for escalations.
- Average QA team size: 3-5 test engineers.

## Tools Used



## Testing Platforms

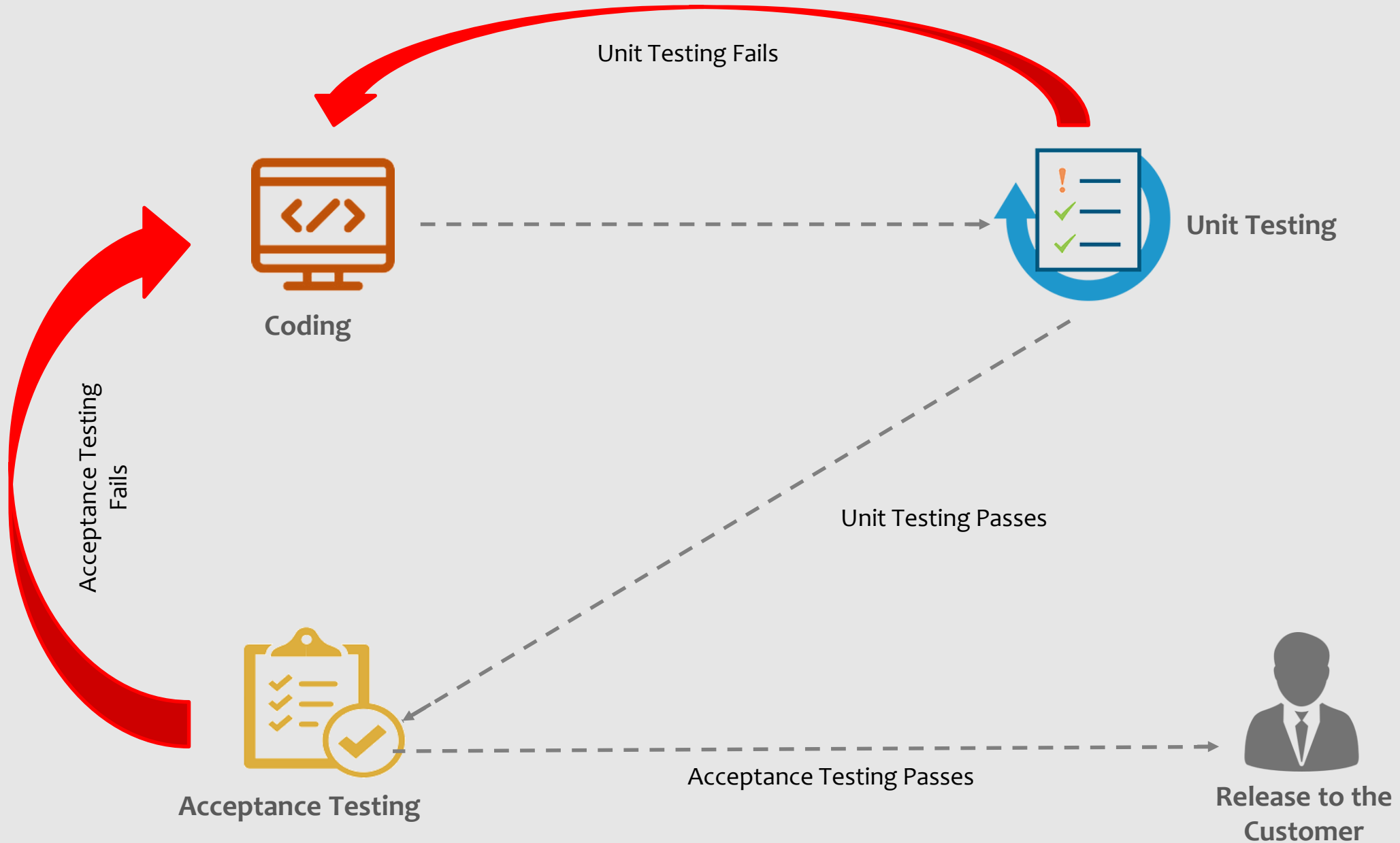


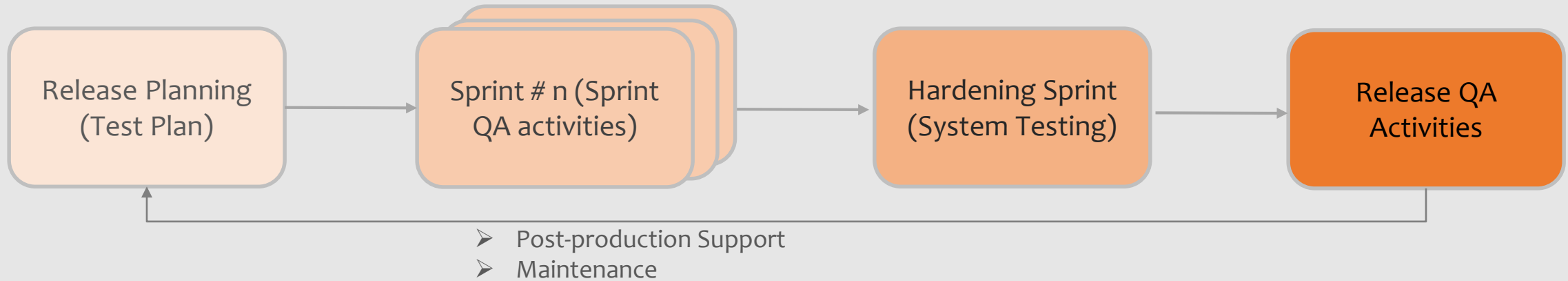
Selenium for Automation  
Testing



JMeter for Load Testing

# Testing at TH – In Agile Environments





- Create test plans at a high level and allocating sufficient time.
- Participate in story sizing.
- Test plan will typically include scope of testing, new functionalities to be tested, resourcing, milestones and deliverables etc.

- Participate in sprint planning and estimate the QA effort of the sprint.
- Write test cases using stories.
- Feature testing after feature implementation.
- Collaboratively review the expected and actual.

- Used for bug fixes in the previous sprints. Priority bugs considered here.
- Mock deploy.
- Smoke testing, functional testing whichever applicable- load, security, usability etc.
- Complete regression testing.
- UAT performed.
- Other testing, if any.

- Define exit criteria for release:
- Testing activities and create metrics with number of open bugs, coverage, bug severity etc.
- Create artifacts as pre-decided e.g. user guide or API documentation.



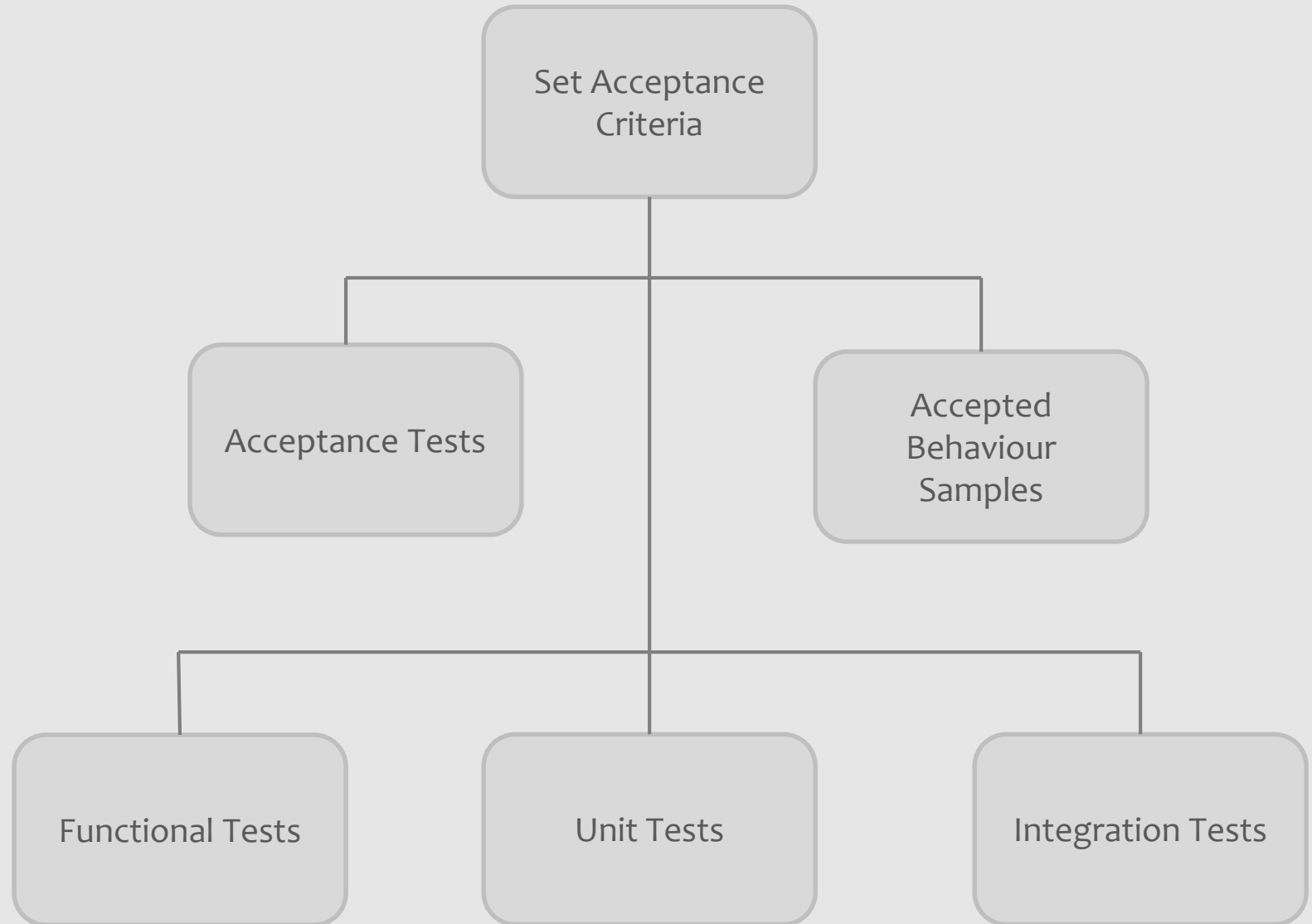
Customer



Team



Test Engineer



# Testing Levels & Types

**System Testing:** What went wrong?

—————> Trying to login, but not able to. Login fails.

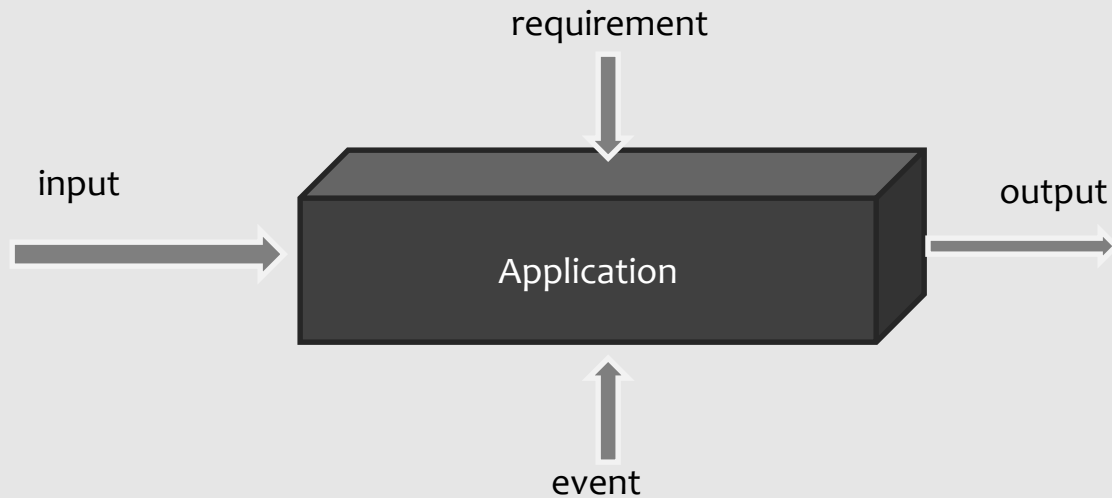
**Integration Testing:** Why went wrong?

—————> Check the Login API response with correct credentials.

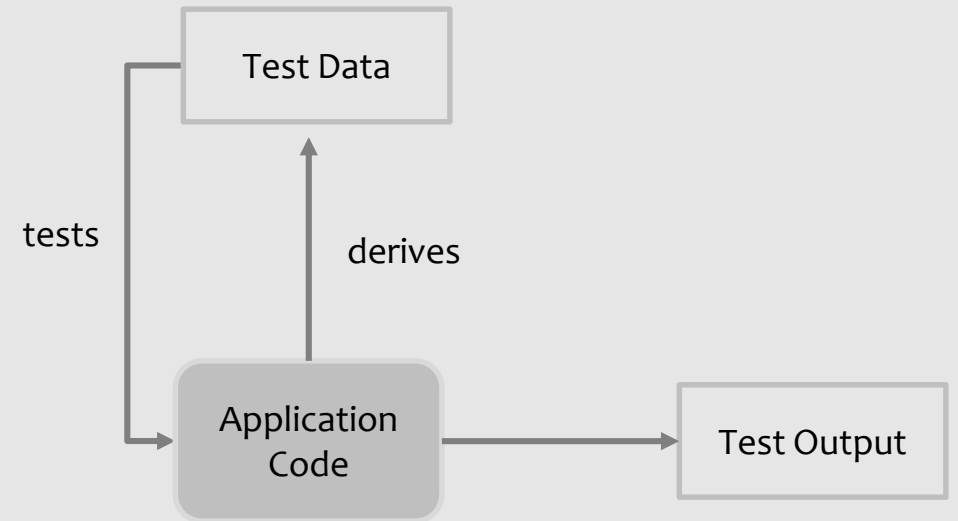
**Unit Testing:** Where went wrong?

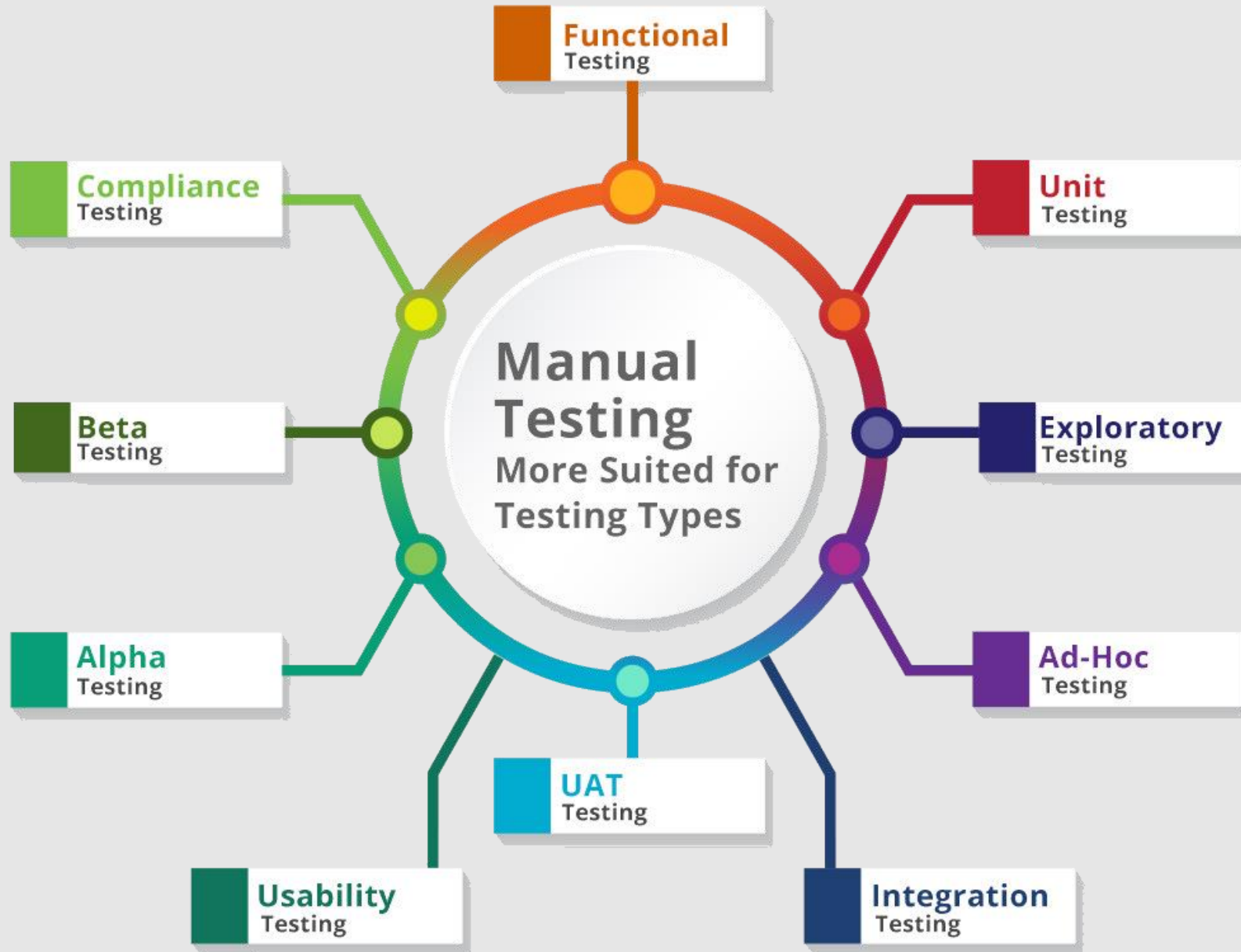
—————> Run the unit tests to see which method is failing.

## Black Box Testing



## White Box Testing







# thinkinghut

think | act | deliver



<http://www.thinkinghut.com>



[thinkinghut@thinkinghut.com](mailto:thinkinghut@thinkinghut.com)



thinking.hut



USA +1 408-499-6957  
IND +91 89-750-03910

Linked 

