Business Analyst Training
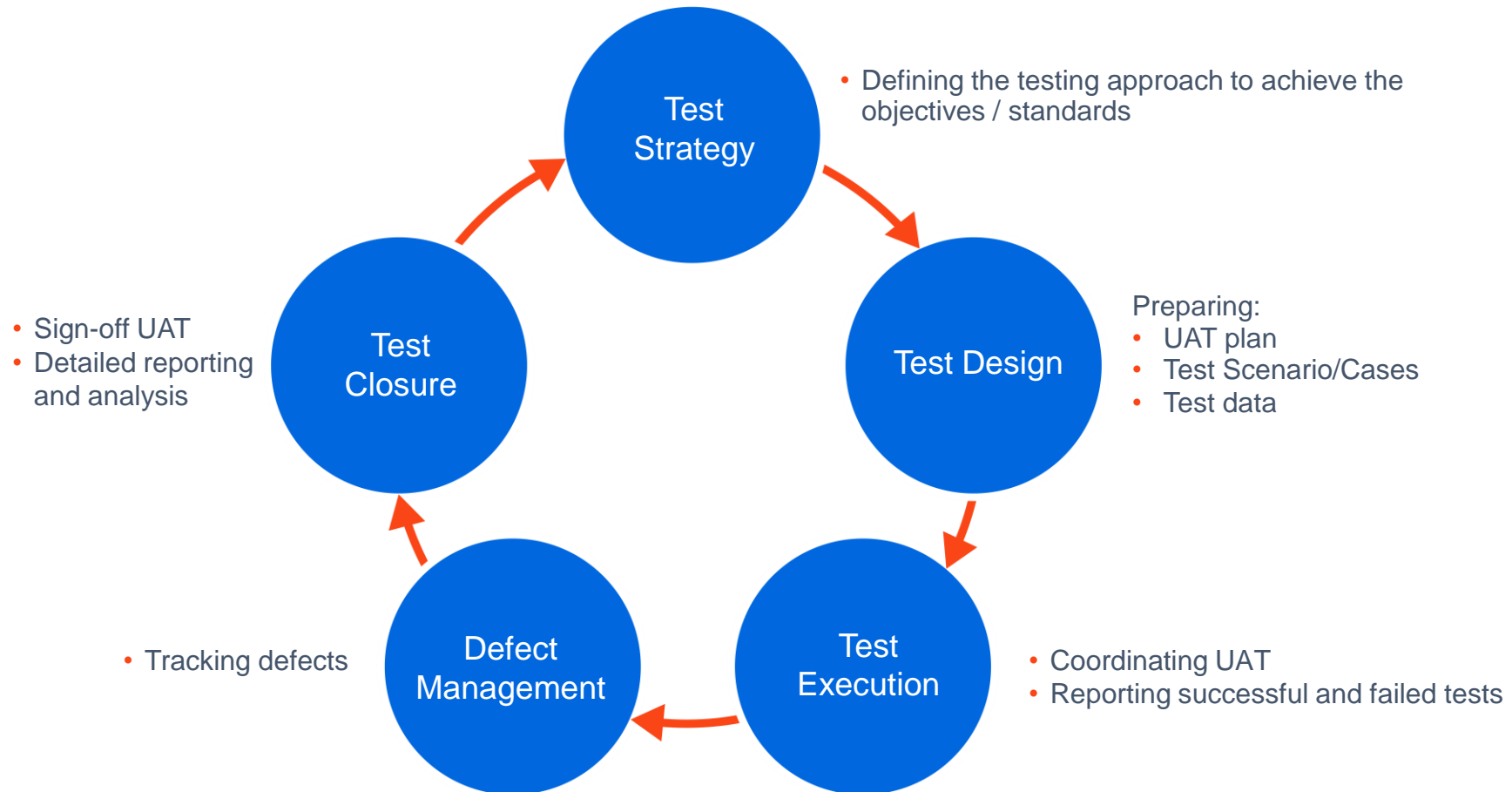## Test RPA

Ui Path™

UAT – Lifecycle & BA Role

Test Strategy
- Defining the testing approach to achieve the objectives / standards

Test Design

Preparing:
- UAT plan
- Test Scenario/Cases
- Test data

Test Execution
- Coordinating UAT
- Reporting successful and failed tests

Defect Management
- Tracking defects

Test Closure
- Sign-off UAT
- Detailed reporting and analysis
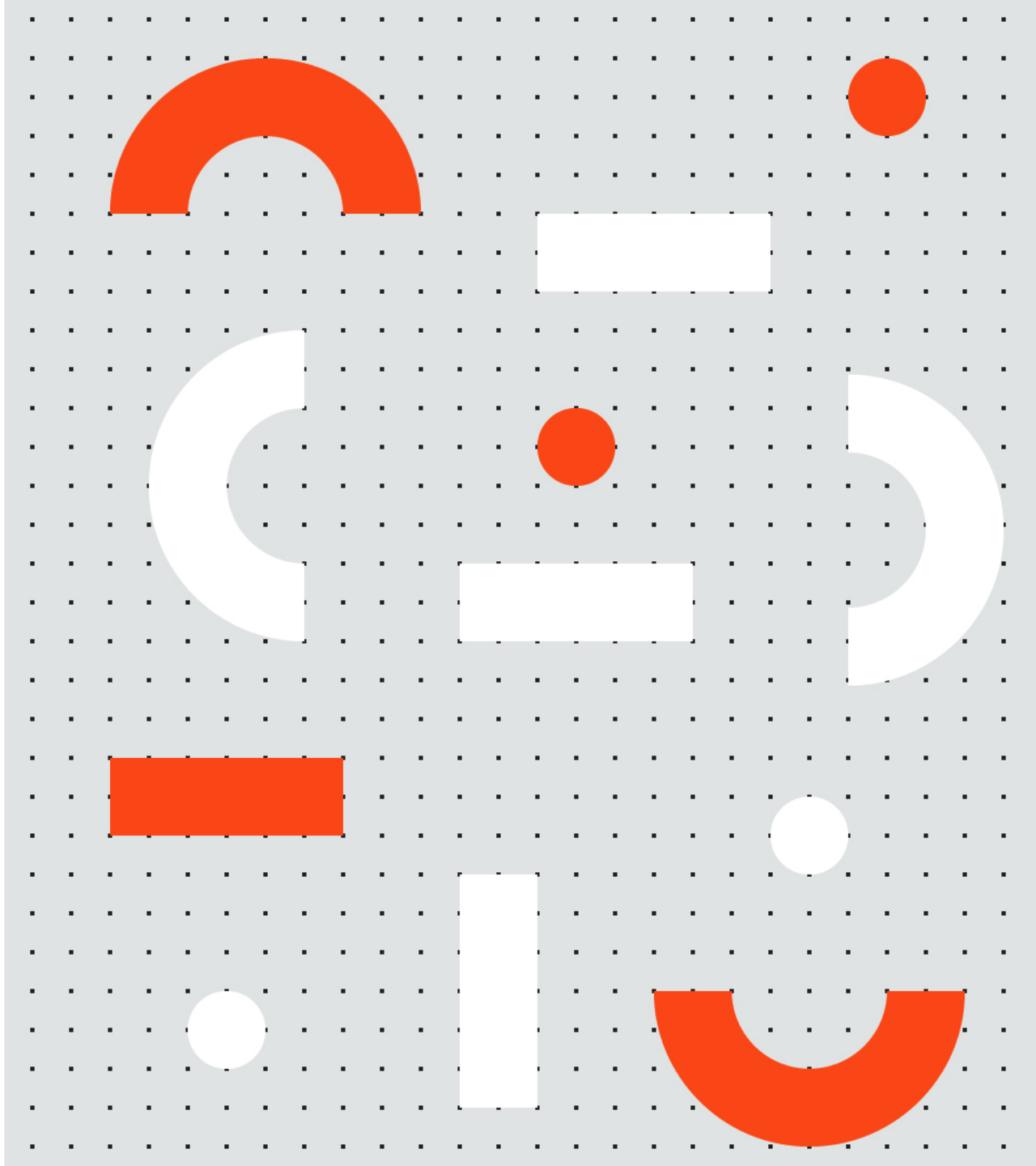
…most of the times:

Testing the robot's output = simulating the human's operational activity

UAT Prerequisites

- **Test scenarios** to cover all the business use-cases, rules and exceptions

- **Test data** - input for the process (list of transactions, emails, documents to be processed etc.)

- **Test environments**:

  - Robot + Orchestrator test environment
  - Applications test environment

- **Process frequency** (daily / bi-weekly / monthly / quarterly)

  - Check if the environment date needs to be updated
  - Check if EOD/EOM needs to be run

- **Data restoration** - understand the number of times the data can be restored, if needed

- **Dependencies** with other projects on the same environment

- **Test duration** - estimate the test duration in one run (how long it would take the robot to perform the expected action)

- **Intermediary output** - clarify with the developer how an intermediary output can be verified

UAT Plan - Structure

What?

- Test if the robot performs same actions & output as the user does
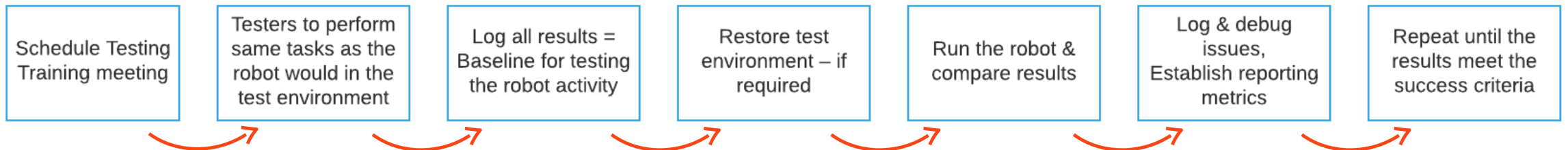- Test new outputs as described in the PDD

Who?

- Process Owner – SMEs
- RPA Developer
- BA
- Support team

When and Where?

- Define the total time duration, start date & end date
- Schedule the tests according to test duration & testers availability
- Ideally bring all the testers in the same room

How? The testing process

| Schedule Testing Training meeting | Testers to perform same tasks as the robot would in the test environment | Log all results = Baseline for testing the robot activity | Restore test environment – if required | Run the robot & compare results | Log & debug issues, Establish reporting metrics | Repeat until the results meet the success criteria |

![UiPath](UiPath logo)

Handling Issues – Creating an Issue Log

Necessary for:

- demonstrating a development issue
- helping the development or engineering team reproduce the issue before attempting to fix it

Required fields:

- **Title** – summary of what the issue is
  Best practice: use a naming convention, like having the name of the tested module between brackets at the beginning of the title.
  Example: *[Login] Unable to confirm the pop-up screen after trying to login with an incorrect / expired password*
- **Environment** – DEV, TEST, PROD environment and application version
- **Steps to reproduce** – sequence of steps (from start to end) which will result in the issue to occur
- **Expected result** – what the result of the performed action should be
- **Actual result** – what the result of the performed action is
- **Visual proof** – is optional and can be represented by a screenshot or a short recording

Thank you

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