Most companies looking for business and IT knowledge skill level to hire or use effective testers. And neglect the testing knowledge skill level required.
Who we are

2012, Founded in Nasr City, Cairo

2013, ATP - ISTQB Foundation Level

2014, ISTQB Silver Partner as the first company in MENA

2014, Software Testing World Cup and achieve the 17th position across Africa

2017, ATP - ISTQB Agile Tester Extension
5 years of Successful Operations

25,000+ hours of Testing Activities

17,000+ hours of Testing Training

600+ Certified Testers
Challenges

- Team: Cost, Enablement, Dedication, Retention
- Tools: Cost, Selection, Limitation, Vendor
- Process: Cost, Rigidity
- Test Lab: Cost, Maintenance, Compatibility, Sizing
How TestPRO address challenges

**Enablement**
Certified team will optimize time and cost of your testing initiatives

**Outsourcing**
Full or Partial testing outsourcing will assure highest testing quality with manageable cost and faster outcome

**Governance**
Build a Center of Excellence for adopting the practice for every day needs

**Why**

**How**

More than 15 Training program by highly qualified consultants

Testing / Personnel outsourcing, unique human capital, different test types, levels and strategies

Establishes a process framework considering all test process activities and managing as well
A portion of the testing budget is a **cost of detection and internal failure**.

This cost typically **well below** the **cost of external failure** which is 10 - 1000 times.
Enablement
Training Services

TestPRO for Software Testing Services delivers Offshore / Onshore / Online trainings to help in Implementing Training Programs by highly qualified trainers with the extensive practical experience in both training and testing.

TestPRO Tracks record include 17,000+ hours of professional trainings and helps 600+ test professionals to be Certified in Foundation Level, Foundation Agile Extension and Advanced Levels.

TestPRO is an Accredited Training Provider by the ESTB for ISTQB - Foundation Level and Agile Extension.

TestPRO maintains around 15 training program.
## Training Services

<table>
<thead>
<tr>
<th>Training</th>
<th>Note</th>
<th>Duration</th>
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<tbody>
<tr>
<td>ISTQB Foundation Level</td>
<td>Accredited from ESTB</td>
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<tr>
<td>ISTQB Test Analyst</td>
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<td>4 Days</td>
</tr>
<tr>
<td>ISTQB Agile Tester</td>
<td>Accredited from ESTB</td>
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<tr>
<td>ISTQB Test Manager</td>
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<td>5 Days</td>
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<tr>
<td>ASTQB Certified Mobile Tester</td>
<td>ASTQB Syllabus</td>
<td>3 Days</td>
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<tr>
<td>Testing Essentials</td>
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<td>2 Days</td>
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<td>Testing Practice Workshop</td>
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<td>1 Day</td>
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<td>Java for Tester</td>
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<tr>
<td>Performance Test</td>
<td>LoadRunner / Jmeter / VSTS</td>
<td>4 Days</td>
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<tr>
<td>Security Testing</td>
<td>AppScan/Zap/Netsparker</td>
<td>3 Days</td>
</tr>
<tr>
<td>Test Automation</td>
<td>RFT / Coded UI / Selenium</td>
<td>4 Days</td>
</tr>
<tr>
<td>BI Testing</td>
<td></td>
<td>2 Days</td>
</tr>
<tr>
<td>Mobile Test Automation</td>
<td>Appium</td>
<td>4 Days</td>
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</tbody>
</table>
Clients

Training

- QNB
- etisalat
- BARCLAYS
- ITS
- ITWORX
- IBM
- teData
- فوري
- EFG HERMES
- Valeo
- Link
- et gameId
- efinance
- TEST TRIANGLE
- TechVision
- BIBLIOTHECA ALEXANDRINA
- Ibtikar
## Clients

### Training

<table>
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<tr>
<th>KSYS</th>
<th>Chestnut</th>
<th>QCENTRIS</th>
<th>GIZA SYSTEMS</th>
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<tbody>
<tr>
<td>UNITED OFQ</td>
<td>INNUVA</td>
<td>ANDALUSIA</td>
<td>ISFP</td>
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<td>EL SEWEDY ELECMETER</td>
<td>BlueCloud</td>
<td>EJADA</td>
<td>ibnsina pharma</td>
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<td>EME INTERNATIONAL</td>
<td>3D Diagnostix</td>
<td>eBenefits</td>
<td>DTS</td>
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<tr>
<td>CONNECT</td>
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</table>
Outsourcing
Why test outsourcing leads to better output?

**Agility**
- Ready, expandable, flexible and high experience testing team
- Assure faster test execution and better test result reporting

**Cost**
- No need to pay full time test team costs as you can pay for testing services only when needed
- No cost burden of testing tools, training, staff retention, maintenance, etc.

**Quality**
- Broader view and diverse experience.
- Will add more objective view of the business scenarios that may occur in that industry

Quick Wins  CapEx saving  Accuracy
Test Outsourcing Use Case

A large bank in United Arab Emirates used TestPRO Testing outsourcing service for the online wallet App that should be released in two weeks to meet the business expectations. The challenge was not only time but also scope of the testing where it is required by business to support 20 different models of devices and OS versions.

In 24 hours, TestPRO formed 3 teams of 10 testers to work in shifts to progress the test execution that was planned to take 1,000 hours.

TestPRO managed to complete the testing and deliver results in less than 2 weeks.

Challenges

- 20 different models of devices/OS
- 2 weeks time limit
- Offshore engagement

TestPRO

- Large network of trained test professional enabled us to form the required teams in 24 hours only.
- Ready Mobile Lab for running test cases
- 20,000+ hours testing experience enabled proper planning and execution
TaaS

Testing as a Service (TaaS) is an outsourcing model in which testing activities associated with some of an organization’s business activities are performed by a service provider rather than employees and managed by the organization.

TaaMS

Testing as a Managed Service (TaaMS) is an outsourcing model in which the test organization, processes and basic testing activities outsourced to external providers in the form of managed services to address major testing challenges and achieve optimum results.
Problem

- The risks of releasing a new software application without rigorous testing have greater implications now than ever before because of the rapid pace of change in expectations and demands of the end users.

Solution

- TestPRO provides functional testing services tailored to your software’s requirements and focused on the system’s specific behaviors.

- Our team includes expertise to help with all aspects of functional testing including smoke testing, regression testing, UAT testing and integration testing.
# Functional Testing Services Approach

## Unscripted Testing

- Creativity of our professional testers as they discover defects regularly missed by automation and test cases.

- Having independent, human testers explore your apps allows for the discovery of defects and issues that come from unexpected usage patterns or real-world conditions.

- TestPRO use SBTM (Session-based Test Management) to manage the exploratory scope.

## Scripted Testing

- Test cases provide the peace of mind that core features of your app are working as intended.

- Depends on your needs, TestPRO can produce concrete test cases, logical test cases or use checklist-based techniques.

- TestPRO use the Risk-based testing strategy to define what's critical to customer and prioritize the activities in order to achieve the best results.
Problem

- Poor performance equals poor user experience. Poor user experience will lose you sales. Nowadays, speed is everything. Information must be instant, gratification immediate.

Solution

- The TestPRO team’s extensive knowledge of testing and performance testing help us design, plan and manage performance testing projects of varying magnitudes.

- Our team includes expertise to help with all aspects of performance testing including Performance, Load and Stress testing.

- Our testing team adapts to your preferred processes and tools, and is able to provide recommendations based upon our experiences.
Security Testing Services

Problem

• Security is a critical quality characteristic due to the sensitivity of personal information which now must be used by apps to save it and deal with plastic money and identities.

Solution

• TestPRO approach the security testing in terms of functional security and technical security depends on customer needs.

• TestPRO team identify vulnerabilities and potential methods of attack and which areas of code need to be strengthened to deliver a high level of security assurance.
## Security Testing Services Approach

### Functional Security

- Authentication
- Authorization
- Availability
- Confidentiality
- Integrity and
- Accountability

### Technical Security

- Starts with an initial security scan.
- Select the appropriate attack pattern which will be run manual / automatically by mixed tools approach and run some manual attacks based on OWASP.
- TestPRO delivers a report describing security threats and issues so action can be taken accordingly.
Problem

- Users expect to be able to load a mobile application and immediately use it. They may experiment with it for a bit, but they will quickly decide if it is intuitive to use or just too difficult.

Solution

- TestPRO Usability Test Strategies help you to evaluate your App Simplicity, Layout Conformance, Intuitiveness, Navigation.

- TestPRO Arabic Native Testers help you make sure that small but important errors - such as identifying words with different connotations in different regions - are caught before the website or app confuses, distresses or insults a user.
# Usability Testing Strategies

<table>
<thead>
<tr>
<th>Formative Testing</th>
<th>Summative Testing</th>
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<td>Heuristic Evaluation</td>
<td>User Test</td>
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<td>Prototype Test</td>
<td>Surveys</td>
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<td>Card Sorting</td>
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<td>A/B Testing</td>
<td>WAMMI</td>
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<td>Scenario-based</td>
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<td>Persona-based</td>
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<td>Syntax &amp; Semantics Test</td>
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<td>UI Test</td>
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<td>l10n Test</td>
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</table>
Problem

- A working app across multiple devices, operating systems and internet browser is more important than ever to get a bug-free product.

Solution

- TestPRO Labs provides portability testing services to help evaluate your app behavior across different environments.

- Determine the look and feel across different screen sizes and internet browsers.
Mobile Testing Lab

Problem

- Mobile app testing is time consuming and expensive, and very critical to ensuring your customer have a positive experience when they use your mobile applications.

Solution

- TestPRO Labs provides manual mobile device testing which can help produce a bug-free app in a fraction of the time while also allowing for the attention to detail you need.
Mobile Testing Lab Strategies

Mobile App Test Strategy is an innovative collection of best practices based on multiple standards and our consultant experience to solve many challenges to a good extend and help in reduce the risk of failure.
Governance
Test Governance

- TestPRO follows the best practices in Software Testing to deliver a great service at the right price. TestPRO believe in Lean Testing, Lean Testing is the testing practice that considers the expenditure of resources for any goal other than the creation of value for the end customer to be wasteful, and thus a target for elimination.

- TestPRO applies this concept on both sides, what we provide to our customers, and what customers provide to their own.

- TestPRO establish a process framework consider all test activities while managing test planning, Preparation and evaluation phases and Applying the suitable strategies to fit the customer.
Test Governance

**Process Reference Model (PRM)**

**Content Reference Model (CRM)**

**Continuous Models**
- STEP, TPI Next and CTP
- Allow an organization to address its highest priority issues with more freedom in the order of implementation

**Staged Models**
- TMMi
- Provide standards for comparison across different companies and organizations
<table>
<thead>
<tr>
<th>Stakeholder Relations</th>
<th>#</th>
<th>Key area</th>
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<tbody>
<tr>
<td>01</td>
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<td>Test environment</td>
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**Plan**
- Testing
- Establishing context
- Quality risk analysis
- Test estimation
- Test planning

**Prepare**
- Test team development
- Test system development

**Perform**
- Test Release Management
- Test Execution

**Perfect**
- Bug Reporting
- Result Reporting
- Change Management
Clients

Testing as a Service (TaaS)

Testing Governance
# Clients

## Testing as a Managed Service (TaaMS)

<table>
<thead>
<tr>
<th>Bank of Egypt</th>
<th>STC Solutions</th>
<th>Orange</th>
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</thead>
<tbody>
<tr>
<td>Dubai Islamic Bank</td>
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<tr>
<td>Logica</td>
<td>Vertika</td>
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<td>Jobzella</td>
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<td>Goharz.com</td>
<td>OUSTA</td>
<td>PlayWin</td>
</tr>
<tr>
<td>Global Knowledge</td>
<td>Industrial Development</td>
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<td></td>
<td>Workers Bank of Egypt</td>
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<td>BuduCloud</td>
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</tbody>
</table>
Clients

Testing as a Managed Service (TaaMS)

- Mavericks
- Mobile Studio
- EBLA
- DIGITS
- Filkhedma
Why to choose TestPRO Services

- Experience
- Engagement
- Price
- Time
- Test Professionals

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