Mobile and Web Testing using SOFY

SOFY
Intelligent Testing, Increased Productivity
# Introduction to SOFY

## Scope of SOFY

|-----------------------|--------------------------|------------------------|---------------------------------------------|-------------------------|------------|------------|------------------------|

**SOFY is a testing platform for Mobile Apps and Websites that augments manual testing and automates test cases with no coding, powered by patented ML algorithms.**

## Cost of testing & length of time

- **Level of Automation**
  - Low
  - Medium
  - High

**Our Mission**

- Help customers ship **quality** code faster
- Increase Developer and Tester productivity

**SOFY Confidential**
Today’s Testing Methodology

**Manual Testing**
- Initial/Default testing method
- Minimal upfront investment

**Automated Testing**
- Repeatable scenarios
- Scale Testing
- Regression Testing

**Use cases**
- Initial/Default testing method
- Minimal upfront investment

**Challenges**
- Costly and time consuming
- Lacks Consistency, Traceability
- Not scalable for cross device, OS testing
- Requires training for domain knowledge
- Inefficiency between Development and Testing

- Requires extensive coding, high skillset
- Needs use of multiple tools
- Lacks resiliency to UI changes, device types, dynamic content
- Failure analysis across tools is tedious
SOFY’s Approach to Testing

**Augmented Manual Testing**
- **Instantly Configure** your test environment & devices
- **Test and Report** bugs with rich contextual data
- **Discover** insights from manual Test coverage data

**Automated Testing**
- **Create/Edit** automated test with NOCODE
- **Run** at scale across devices with no code changes and report bugs
- **Convert** existing manual to automated tests seamlessly

**Autonomous Exploratory Testing**
- **Navigate** the entire application autonomously
- **Find** visual quality, accessibility, crash and security issues
- **Get recommendations** on fixes to issues

A single tool for consistent user experience across manual and automated Testing
A NOCODE intelligent automation resilient to device form factors, UI changes, dynamic content
App validation against 100+ different UI, UX and Accessibility guidelines using ML models
## Enabling Scenarios for Remote Mobile App Testing

<table>
<thead>
<tr>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote access to Real Devices</td>
</tr>
<tr>
<td>Get rich diagnostic and contextual data with bugs to foster rich collaboration</td>
</tr>
<tr>
<td>Use automation to run test cases without worrying about device availability</td>
</tr>
<tr>
<td>Move seamlessly between manual and automated testing</td>
</tr>
<tr>
<td>Multi-user App Testing scenarios while working remote</td>
</tr>
<tr>
<td>Visibility to qualitative Metrics on Tester productivity</td>
</tr>
<tr>
<td>Understand Device Coverage for better test planning</td>
</tr>
</tbody>
</table>
## SOFY Pricing

<table>
<thead>
<tr>
<th>Feature</th>
<th>FREE (14 Day) Trial</th>
<th>SOFY Live</th>
<th>SOFY Automate</th>
<th>SOFY Enterprise</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cost</strong></td>
<td>FREE ($500/Year)</td>
<td>$49/month ($500/Year)</td>
<td>$99/month ($1000/Year)</td>
<td>Custom</td>
</tr>
<tr>
<td># Concurrent Users</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>Custom</td>
</tr>
<tr>
<td>Device Time</td>
<td>60 Minutes</td>
<td>100 Hours/Month</td>
<td>100 Hours/Month</td>
<td>Custom</td>
</tr>
<tr>
<td># Users</td>
<td>1</td>
<td>5</td>
<td>5</td>
<td>Unlimited</td>
</tr>
<tr>
<td>OS</td>
<td>Android</td>
<td>Android, IOS</td>
<td>Android, IOS</td>
<td>Android, IOS</td>
</tr>
<tr>
<td>Augmented Manual Testing</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Automated Scenario Testing</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>Autonomous Exploratory Testing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOFY Analytics</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>SOFY Audits</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>SOFY MAP</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>SOFY Web Explore</td>
<td>100 page</td>
<td>3,000</td>
<td>10,000</td>
<td>Custom</td>
</tr>
<tr>
<td>CI/CD Integration</td>
<td></td>
<td></td>
<td></td>
<td>√</td>
</tr>
<tr>
<td>API Access</td>
<td></td>
<td></td>
<td></td>
<td>√</td>
</tr>
<tr>
<td>Device hours overage</td>
<td>$0.50c/Hour</td>
<td>$0.75c/Hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Support</td>
<td>Email</td>
<td>8-Hour SLA</td>
<td>8-Hour SLA</td>
<td>4-Hour SLA</td>
</tr>
</tbody>
</table>
Why SOFY.AI

“No Code” Automation

Support for IOS and Android

Augmented Manual Testing

Audits and Analysis with Actionable insights

Our customers:

500 startups

Forrester®

Microsoft for Startups

Entrepreneurial Spirit - Startup of the Year

GE

T

Cisco

Azure

Microsoft Dynamics 365
APPENDIX
Challenges in Testing

**Platform**
- High cost for acquiring and maintaining mobile devices
- Takes too long to setup devices for testing
- Test automation requires extensive coding and skilled coders

**People**
- Lack of visibility into Tester performance (in manual testing)
- Data collection and reporting is very tedious

**Process**
- Lack of insights about device usage and Test coverage stats
- Lack of reporting at the end of the release with KPIs
Dimensions of Testing for Mobile Apps

- **App**
  - Functional Validation
  - Security Pen Testing
  - Localization

- **UI**
  - Navigation
  - Layout
  - Screen Orientation
  - Accessibility

- **Device**
  - Device Resolution
  - Performance (CPU, Memory, Load Time)
  - Battery
  - Crash Analytics

- **Backend**
  - API/Unit Testing
  - Database Testing
  - Network Latency
  - CDN

- **Device Types**
- **OS Versions**
- **Browser Types**