# Application Development, Testing and Maintenance

Programming errors, changing requirement and timeline constrains often result in bugs in various applications. Quality Assurance (QA) testing is an important part of the application development process. ***Application Testing & Maintenance ensure safe operation and minimizing the chances of unexpected failures.*** Regular testing of applications saves time by reducing the unplanned breakdowns. Monitoring the testing process ensures that the development process abides by the procedures and standards already been agreed upon, and the issues have been fixed.

The QA testing aims at identifying flaws based on a comprehensive testing guideline. ***Depending on the need of businesses, use of tools, documented testing methodologies and testing practices is significant in the application testing procedure.*** Application maintenance is crucial for performance and meets the aims to meet the rising demand of the enterprise and industry. Maintaining any application prevents unpredicted failure and the cost incurred. A comprehensive approach of Application Testing & Maintenance assures smooth functioning and extends it life.

Application Testing & Maintenance service from PLETHORA comprises of various testing methods and use of tools that ensure superior quality technology solution. The Application services that we provide are;

- Usability and GUI testing
- User Acceptance Testing
- Performance testing
- Accessibility testing
- Configuration testing
- System integration testing
- Security Testing

## Approach

Domain experience in the arena of testing web portals, rich internet application development, knowledge of different technologies and platforms enables us to deliver superior-quality testing service. ***We provide testing and maintenance services to enterprises of diversified verticals like retail, logistics and transportation to name a few. We follow a comprehensive approach and provide different levels of support, post the roll out of any application. We also facilitate the migration of legacy applications and integration of custom-made applications.***
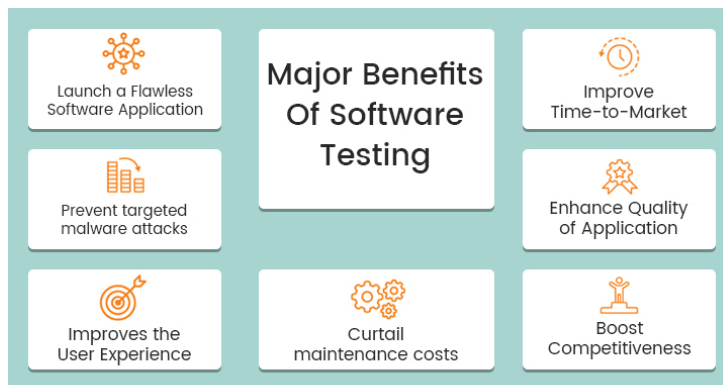
## Our approach guides us in QA testing and maintenance services;

- Assess the existing methodology, prepare baselines and outline the application life-cycle based on it. Ideally, a testing lifecycle framework identifies testing requirements and estimates both effort and time.
- Identify the goals of clients to understand the software requirement and scope of improvement
- Develop a testing strategy in sync with the business environment with emphasis on quality, performance and cost
- A process framework to meet the business need for functional and performance testing.
- Ensure that the testing service provides a tangible result

The aim of our Application Testing and Maintenance service is to verify the quality, speed the deployment of software, minimize risk and reduce the cost to be incurred later.

# Business Benefits



## Need Tailored App Support and Maintenance Services? Explore Our Additional Range of Services;

### Application support

- L0 - Creating and maintaining detailed information for user self-service.
- L1 - Solving basic application usage issues.
- L2 - Fixing application configuration and infrastructure issues
- L3 - Resolving application issues on the code level.

### Application maintenance

- Application evolution - Introducing application enhancements.
- Application performance management - Ensuring app stability and scalability.
- QA and testing - Ensuring the application quality and undisrupted functioning during the defects fixing, introduction of new app features and integrations.
- Application security management - Ensuring the safety of business and customer data.
- Compliance management - Monitoring and improving app compliance with industry-specific regulations and standards (e.g., HIPAA, GDPR, PCI DSS, GLBA)

### Additional services aimed to facilitate application maintenance

- DevSecOps
- Cloud resource management

PLETHORA can help you assemble the best fitting service package depending on the type, business criticality, and specific requirements of your applications.