BLACKBIRD FOR TRAINING

Low-Code and No-Code Application Development

17 – 21 January 2027
Cairo (Egypt)



Low-Code and No-Code Application Development

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Introduction

The digital era has transformed how organizations build and deploy software applications. One of the most revolutionary trends in this transformation is Low-Code and No-Code Application Development, which enables professionals to create functional, scalable applications without extensive programming knowledge.

By using visual interfaces, drag-and-drop tools, and pre-built components, low-code and no-code platforms allow faster innovation and reduce dependency on traditional software development cycles.

This course, Low-Code and No-Code Application Development, provides participants with practical knowledge and technical skills to design, build, and deploy intelligent business applications. The training blends conceptual understanding with real-world application, equipping participants to accelerate digital transformation initiatives within their organizations.

Course Objectives

By the end of this course, participants will be able to:

- Understand the key principles of low-code and no-code technologies.
- Identify the most widely used platforms and tools in the market.
- Build interactive applications using visual development interfaces.
- Manage the complete lifecycle of applications—from idea to deployment.
- Integrate applications with databases, APIs, and enterprise systems.
- Apply governance, compliance, and security best practices.
- Automate business workflows and optimize operational efficiency.
- Monitor and improve application performance post-deployment.

Course Outlines

Day 1: Introduction to Low-Code and No-Code Development

- Understanding the concepts and evolution of low-code and no-code.
- Differentiating between low-code and no-code environments.
- Key components and architecture of visual development platforms.
- Exploring real-world use cases and business applications.
- Deciding when to use low-code vs. traditional coding approaches.
- Practical exercise: Building a simple application using a visual interface.



Day 2: Tools and Development Environment

- Overview of popular platforms and their core features.
- Navigating graphical user interfaces and design capabilities.
- Creating forms and linking them to data sources.
- Implementing logic and conditional workflows.
- Testing and debugging within the development environment.
- Hands-on activity: Creating a process-tracking application.

Day 3: Integration and Data Management

- Connecting applications with external databases and APIs.
- Managing data flow between multiple systems.
- Incorporating enterprise tools such as email and task management.
- Handling user access, authentication, and permissions.
- Designing custom user experiences for various business needs.
- Practical session: Developing a resource management application.

Day 4: Security, Governance, and Compliance

- Understanding security challenges in low-code and no-code platforms.
- Implementing access control and role-based permissions.
- Ensuring data protection and privacy compliance.
- Applying governance frameworks within app development.
- Backup, recovery, and risk management strategies.
- Workshop: Implementing secure authentication in a live app.

Day 5: Deployment, Optimization, and Continuous Improvement

- Steps for deploying applications within enterprise environments.
- Monitoring performance and identifying bottlenecks.
- Updating and maintaining applications efficiently.
- Using analytics dashboards for data-driven decision-making.
- Reporting performance metrics and outcomes.
- Final project: Deploying and evaluating a complete business application.



Why Attend this Course: Wins & Losses!

- Accelerate application development without extensive coding.
- Reduce dependency on software developers and minimize costs.
- Empower business teams to create and modify applications independently.
- Enhance collaboration between IT and business departments.
- Achieve greater flexibility in customizing business solutions.
- Drive digital transformation and innovation across the organization.
- Gain highly demanded practical skills in modern application design.
- Increase productivity by automating repetitive tasks and workflows.

Conclusion

Low-Code and No-Code development represent a major leap forward in democratizing software creation.

It empowers business professionals, analysts, and decision-makers to turn ideas into operational tools quickly—without relying solely on traditional coding expertise.

This course equips participants with the skills to develop efficient, secure, and scalable applications while maintaining governance and operational integrity.

In an age where speed and adaptability define success, mastering low-code and no-code technologies is not just a technical advantage—it's a strategic necessity.

