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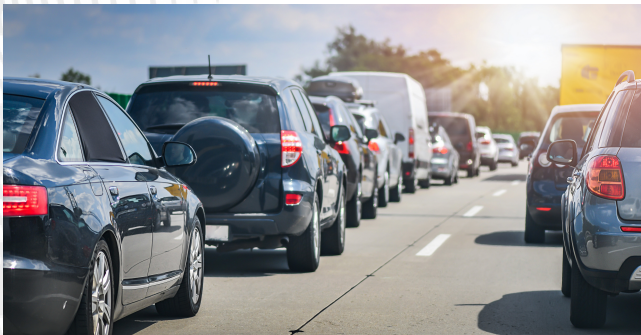


LOW-CODE VS. TRADITIONAL CODING: CHOOSING THE RIGHT PATH FOR YOUR BUSINESS

— Warren Norris, Managing Partner

Ever feel like your business app ideas are stuck in traffic?

Traditional coding processes can leave you waiting at a red light for months, yearning for that game-changing application. Complex code, lengthy development cycles, and reliance on specialized developers can put a serious damper on your innovation.



Traditionally, IT teams spend countless hours writing lines of code to translate business ideas into user-friendly software. However, this process, while effective, is often slow and resource-intensive. **What if there was a faster, more accessible way to build the apps your business needs?**

Enter **low-code development** – a revolutionary approach that's **streamlining the app creation process**. Low-code development is putting innovation in the fast lane – are you ready to take the wheel?

A Gartner survey from a few years ago predicted that by 2025, 70% of new applications would be built using low-code platforms. As we enter 2025, this trend continues to accelerate, with Gartner now forecasting that by 2026, 75% of new applications will rely on low-code technologies.

Although we are still approaching that level of adoption, the use of low-code platforms continues to rise as a key tool for streamlining the development process. Traditional coding will always have its place, but businesses now have more options than ever when it comes to application development. To help you decide which

approach is best for your company, let's explore the key differences between low-code and traditional development.

Low-Code vs. Traditional Coding: What's the Difference?

Choosing the right development approach can be the difference between market-leading innovation and a frustrating roadblock. Here are the key differences between these two approaches, so you can select the optimal gear for building your next business app.

1. Coding Intensity

Traditional coding is a deep dive, requiring developers to write line after line of code using specific programming languages. Low-code, on the other hand, prioritizes user-friendly interfaces with drag-and-drop functionality and pre-built components. This allows for quicker development, even with minimal coding experience.

2. Team Composition

Traditional coding typically requires a dedicated pit crew of professional developers. Low-code platforms empower "citizen developers" – business users with minimal coding knowledge – to get behind the wheel and actively participate in building applications. This can streamline communication and bridge the gap between business needs and technical execution.

3. Development Speed

Traditional coding can be a long, winding road, especially for complex projects. Low-code development boasts faster acceleration due to pre-built functionalities and streamlined workflows. This allows you to adapt and iterate on your software solutions more quickly, keeping you ahead of the curve.





Advantages of Low-Code Development:

Low-code platforms democratize development by enabling users with minimal coding experience to build applications and contribute to the development process. While traditional coding offers granular control, low-code emphasizes focus on efficiency and accessibility. Here's how low-code development empowers your business to build better apps, faster:

1. Empower Talents

Low-code platforms democratize development, allowing users with minimal coding experience to contribute. This visual approach, with drag-and-drop functionality and pre-built components, accelerates development for professional developers and empowers "citizen developers" to build simple applications.

2. Boost Productivity Across Teams

Prebuilt components and reusable elements such as modules, logic templates, and connectors accelerate development, allowing specialized developers to focus on more complex tasks.

3. Foster Collaboration

Built-in collaboration tools like feedback loops, revision tracking, and messaging bridge the gap between business and IT. The visual nature of low-code ensures everyone speaks the same development language, which fosters better communication and cross-functional decision-making.

4. Embrace Agility and Scalability

Low-code platforms are cloud-based, allowing for the rapid deployment of new applications and easy scaling of existing ones. This flexibility keeps your organization agile in the face of changing market demands and business needs.



5. Effortless Data Integration

By securely connecting data and logic from any source, system, or service, including legacy systems, prebuilt APIs and connectors make integration easier. Skilled developers can still build custom solutions, but this smooth integration reduces development time

and allows you to leverage existing data more effectively.

6. Streamlined Application Lifecycle Management

Low-code platforms automate several key phases of development, from project management and requirements gathering to version control and deployment. This Agile approach with built-in DevOps tools keeps projects moving smoothly and accelerates delivery.

Low-code development isn't just about speed – it's about power. It enables your business to build better applications faster, tap into a broader talent pool, and stay agile in an ever-evolving market.

Mendix – What is it and how does it differ from traditional app development?

Mendix is a frontrunner in the low-code application development platform space. Since 2005, they've been empowering businesses to develop applications at an accelerated pace with their cutting-edge, visual approach.

Imagine building software using drag and drop functionality and prebuilt components instead of writing lines of code. That is the essence of low code development. This enables business users with minimal coding experience to collaborate with professional developers, including trusted Mendix partners like Titan Consulting and Rapid App Werks. This teamwork can speed up development cycles and reduce costs for businesses.

How do I choose between low-code and traditional software development?

Now that you've got a roadmap of the core differences, how do you decide which approach aligns best with your business goals? Here are some key factors to consider:

1. Project Complexity

For highly intricate applications with unique features, traditional coding offers the ultimate level of control and customization. However, for simpler applications or internal tools, low-code's pre-built components can be a time-saving shortcut.

2. Technical Expertise

If your in-house team has a team of seasoned mechanics – programmers with a strong background – traditional coding might be a natural fit. But if you lack experienced developers, low-code's user-friendly interface can empower your business users to contribute to the development process.

3. Budget

Traditional coding requires a team of experienced developers, whose salaries and potential project overruns can significantly impact the bottom line.

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Low-code development, on the other hand, is typically more budget-friendly for several reasons. First, it often utilizes subscription-based pricing, offering more predictable costs compared to traditional developer salaries. Second, by reducing development time – a key benefit of low-code – you inherently reduce labor costs associated with the project. This makes low-code a compelling option, especially for projects with tighter budgets.

4. Need for Speed

If you have a tight deadline and need a functional application quickly, low-code development's faster turnaround times might be more preferable for your business.

Launch Your App 5x Faster with Rapid App Werks:

Low-code and traditional coding aren't necessarily rivals – they can exist on a highway with multiple lanes. Ultimately, the best approach depends on your unique needs and resources. By carefully evaluating your project's complexity, technical expertise, and budget constraints, you can choose the development path that moves your business forward, keeping you agile and competitive in your industry. **If speed and cost-efficiency matter most, low-code development puts you in the fast lane.**



Ready to turn your ideas into reality with low-code development?

Titan Consulting/Rapid App Werks can help you achieve your goals dramatically faster and more efficiently. Leveraging the power of Mendix, our team will transform your vision into a real-world application in record time. Visit our website for more information or to get in touch with us.