



Rapid Application Development Approach

Iterative and incremental innovation made available fast

BUSINESS NEED

Federal agencies need to rapidly turn ideas, requirements, and data into working software to inform decisions and reduce risk. Stakeholders need early, iterative prototyping to visualize concepts, validate functionality, and refine requirements before they harden—improving mission outcomes and reducing costly rework. Traditional, rigid development approaches, that are not user-centered, lack the ability to accelerate feedback, build confidence, and support smarter, faster decisions.

OUR APPROACH: BUSINESS-LED, TECHNOLOGY-DRIVEN, AI-APPLIED FRAMEWORK

We employ a disciplined, iterative approach to rapidly design, build, and refine working prototypes grounded in real mission needs. Each prototype uses real or representative data and intuitive user interfaces to demonstrate end-to-end workflows, system behavior, and actionable insights. Leveraging our Artificial Intelligence/Machine Learning (AI/ML) accelerators, we deliver advanced analytics that surface hidden patterns, identify operational pain points, and recommend optimal actions—directly informing design decisions and solution development.

This hands-on methodology replaces static documentation with tangible, testable capabilities, enabling faster feedback cycles, clearer prioritization, and tighter alignment between business stakeholders and technical teams. Rapid prototyping supports both leadership and operational users by validating assumptions early, enabling continuous refinement, and informing confident investment decisions. The result is reduced rework, accelerated time to value, and solutions that are demonstrably aligned to mission outcomes before scaling into full production.



Accelerated Time to Market

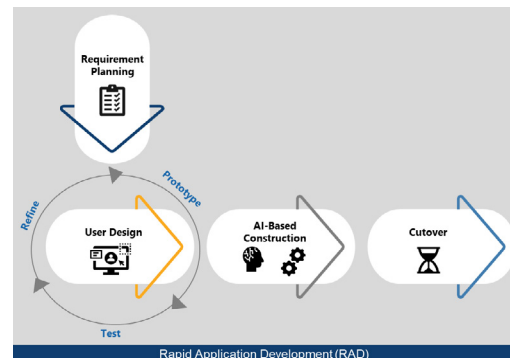


**Reduced Risk Through
Faster Design Testing**



**Improved Innovation
& Collaboration**

RAPID APPLICATION DEVELOPMENT (RAD) APPROACH



RAPID PROTOTYPING USE CASES

Federal agencies leverage rapid prototyping to explore ideas, test assumptions, and refine solutions in a low-risk, iterative manner. This approach provides stakeholders with early, hands-on exposure to potential capabilities, enabling informed decisions and clearer prioritization. InDev's rapid prototyping approach helps agencies quickly transform concepts into tangible solutions. Some use cases include:

- **Requirement Validation and Concept Demonstrations:** Transform ideas and draft requirements into working prototypes, enabling stakeholders to validate functionality, workflows, and assumptions early.
- **User Experience (UX) and Workflow Testing:** Allow users to test screens, processes, and data flows with interactive prototypes, validating solutions are intuitive and mission-aligned before development proceeds.
- **Data Visualization and Decision Support Prototypes:** Allow leadership to visualize data and preemptively identify operational questions, minimizing gaps.
- **Modernization and Legacy Replacement Pilots:** Build proof-of-concept solutions to evaluate modern platforms, architectures, or low-code tools prior to large-scale system migration.

Want to learn how InDev can support your Application Modernization?
Reach out to ilab@indeev.com to begin your journey.