

The JReport Development Methodology is based on classic software development lifecycle models, but customized and refined to address the specific challenges inherent in developing enterprise level reporting solutions.

Our methodology involves interaction with various members of your team. Each stage in our lifecycle is driven by input and effort from resources covering a multitude of roles.

- **Subject Matter Experts** are those that perform the job function that the reporting project is meant to serve. They are responsible for making decisions and taking actions based on the reported information. These individuals are also known as end users.
- **Business Analysts** are domain experts that understand the bigger picture, interactions between groups, and provide insight into the goals of the project.
- **Data Managers** have intimate knowledge of the structure, relationships, constraints, and individual data elements for the organization. They are often DBAs.
- **Report Designers** construct the GUI, incorporate the data elements, and manage interaction with the reports. They have a firm technical understanding of the development tools, products, and a solid understanding of the business context. They convert the requirements into results.
- **Developers** are responsible for integration of reports into corporate systems and websites.
- **Project Managers** monitor resources, progress against planned tasks, and take action to drive the project to completion on time and within budget.
- **Testers** are responsible for validating that report output meets the technical and business requirements.
- **System Administrators** manage the deployment of reports and maintenance of operational systems.
- **Architects** are responsible for coordinating and managing technologies and subsystems within the corporate environment.

Methodology Tracks

Our methodology breaks down into two tracks. One track focuses on system architecture and addresses the concerns of Architects and System Administrators. The second track focuses on satisfying business requirements by designing and developing reports that access enterprise databases and deliver critical operational information.

Track 1: System Architecture Methodology

Our System Architecture Methodology focuses on system interaction and deployment choices. We assess your current environment, scalability and availability requirements, and recommend and implement an approach that will satisfy your requirements.

Analyze

- Entry Criteria: Current System Architecture and Specs, User Groups, Data Volumes, Usage Patterns, Availability requirements, etc.
- Tools: JReport Enterprise Server™ Deployment Scenarios
- Actors: Architects, Business Analysts, System Administrators
- Action: Integrate JReport into System
- Exit Criteria: Documented approach to integrating JReport into System Architecture

Configure & Deploy

- Entry Criteria: Systems in place
- Tools: JReport Enterprise Server
- Actors: Architects, Business Analysts, System Administrators
- Action: Install and configure JReport Enterprise Server in customer environment
- Exit Criteria: JReport Enterprise Server deployed

Track 2: Report Design Methodology

Our Report Design Methodology is designed to lead a team down a structured path that results in reports that meet the requirements of your businesses users. We work with your team to systematically work through the steps that result in fully functioning reports that are ready for deployment in your production environment.

The cornerstone of our Report Design Methodology is the JReport Requirements Template. The template helps capture all the details needed to create reports that meet your needs. The template captures information on report ownership, report usage, look and feel, formats, data sources, grouping, sorting, filtering, selection criteria, formulas, security and more. It's an integral tool that is used throughout the development process.



Analyze

- Entry Criteria: Business goals, Data Schema, Data Dictionary
- Tools: JReport Requirements Template
- Actors: Subject Matter Experts, Business Analysts, Data Experts, Report Designers
- Action: complete JReport Requirements templates including data definitions, search criteria, filtering requirements, security requirements, and look and feel. Identify commonality across user requirements. Optimize reusable components
- Exit Criteria: Completed requirements. Signoff from customer

Design

- Entry Criteria: Data source connection, Completed requirements, Customer GUI standards
- Tools: JReport Requirements Template, JReport Designer™
- Actors: Business Analysts, Report Designers, Data Experts
- Action: Identify data sources and elements, report template creation, style selection, mock up, iterative prototyping
- Exit Criteria: Completed JReport Requirements Template

Develop

- Entry Criteria: Data sets, Data Queries, Report Templates
- Tools: JReport Designer, JReport Enterprise Server
- Actors: Report Designers, Developers, Data Experts
- Action: Data source integration, Implement conversions and calculations
- Exit Criteria: Completed reports

Test

- Entry Criteria: Baseline Data sets, Completed Reports
- Tools: JReport Designer, JReport Enterprise Server
- Actors: Testers, Business Analysts
- Action: Execute against baseline data sets
- Exit Criteria: Customer verifies results. Signoff from customer

Integrate with Website: (optional)

- Entry Criteria: Test cycle complete
- Tools: JReport Enterprise Server, Java IDE
- Action: Integrate JReport reports with customer website
- Exit Criteria: JReport objects embedded in customer website. Integration tests complete

Release

- Entry Criteria: Deployment environment complete. Test cycle complete
- Tools: JReport Enterprise Server
- Action: Deploy in customer environment
- Exit Criteria: System operational

Engagement Review – outside of scope of project

- Entry Criteria: Project complete
- Tools: Methodology and current tools
- Actors: Report designers, Project Managers
- Action: Review project in detail and incorporate improvements
- Exit Criteria: Feedback into JReport methodology. Generate new tools and documentation

Jinfont Software, Inc.

Rockville, MD 20850, USA

Phone: 240-477-1000

Fax: 240-465-0355

sales@jinfont.com

info@jinfont.com

partner@jinfont.com

www.jinfont.com

