

IBM WEBSHERE OPERATIONAL DECISION MANAGEMENT V8.0 APPLICATION DEVELOPMENT COURSE CONTENT

❖ **SECTION 1 - RULE DESIGN AND DEVELOPMENT (25%):**

- A. Design and create rule projects.
- B. Design and implement an Execution Object Model (XOM) and Business Object Model (BOM).
- C. Construct ruleset parameters and variables.
- D. Organize rules and develop ruleflows.
- E. Author appropriate rule artifacts (e.g., action rules, decision tables, decision trees, templates).
- F. Update and refactor XOM and BOM.

❖ **Section 2 - Rule Validation (18%):**

- A. Interpreting analysis of rule artifacts for consistency and completeness.
- B. Configure rule projects for Decision Validation Services (DVS) testing.
- C. Validate rule artifacts with DVS scenario testing and simulation.
- D. Perform troubleshooting and debug rule execution.
- E. Construct queries for searching.
- F. Create rule reports.

❖ **SECTION 3 - RULE DEPLOYMENT AND GOVERNANCE (22%):**

- A. Configure rule project security and role-based permissions.
- B. Implement rule governance and life-cycle customization.
- C. Use branching, merging and baselines.
- D. Synchronize rules (e.g., Rule Designer, Decision Center and Rule Solutions for Office (RSO), Source Code Control (SCC)).
- E. Control (SCC)).
- F. Create and deploy RuleApps using Rule Designer and Decision Center.
- G. Manage RuleApps in the Rule Execution Server (RES) console.
- H. Automate the build and deployment of RuleApps.

❖ **SECTION 4 - RULE EXECUTION AND APPLICATION INTEGRATION (12%):**

- A. Identify appropriate rule execution approach based on application architecture.
- B. Implement rule execution code.
- C. Package rule applications (i.e., standalone Java SE, RES Java SE, RES Java EE).
- D. Configure the Decision Warehouse monitoring and filter options.

❖ **SECTION 5 - RULE APPLICATION PERFORMANCE TUNING (10%):**

- A. Select appropriate rule execution mode (e.g., algorithm, exit criteria).
- B. Tune Rule Execution Server (RES) performance.
- C. Tune Decision Center performance.

❖ **SECTION 6 - CUSTOMIZATION OF BUSINESS USER EXPERIENCE (14%):**

- A. Construct rule authoring customizations (e.g., dynamic domains, value editors).
- B. Create custom DVS scenario providers.
- C. Implement DVS Key Performance Indicators (KPIs).
- D. Perform customization of Decision Center GUI.
- E. Construct custom rule reports.
- F. Implement a rule model extension.