At TGMC, we judge your performance based on several parameters. Below, see the parameters, along with the maximum points you can earn in each.

	Phase 1	
Details	**Description**	**Points**
SRS/Synopsis	SRS is the initial phase that needs to be completed in TGMC. Since SRS is one of the most important aspects of your project, which acts as a blueprint, it is advisable that quality time and effort is spent on it before actually starting the work on your project.	10
Technology	Technology that can be used to work upon the project can be HTML, JSP, JavaScript, servlets, Ajax, Struts, EJB, or Web Services. If SOA is used, bonus points will be awarded.	10
XML	Usage of XML/XSL/XSD in files form and of pure XML is the key. Xforms will fetch additional bonus points.	10
Tools Used	DB2®/IDS/Cloudscape/Derby, Rational Rose®/RSA, Rational® Application Developer/Eclipse, WebSphere® Application Server/WebSphere Application Server CE, and any IBM Tivoli® product should be used to be qualified as a valid project. Additional points will be awarded if Lotus® Symphony is used for documentation.	10
Code	Code should be original and will be judged on coding convention and handling.	10
Design	Software design should be done using UML. Capturing the requirement using use-case diagram, activity diagram, sequence/collaboration diagram, architecture diagram, and deployment diagram/component diagram/state diagram will give additional points.	10
	Phase 2	
Windows or Linux	Linux® is the recommended platform. Though Microsoft® Windows® can be used, points will be awarded if Linux is used.	10
Usability	All the modules in the application should be user-friendly. Ease of use by the user and solution supporting at least three user levels will fetch additional marks. If backup/restoring is included in the application, bonus points will be awarded.	10
User Interface	The GUI should support a broad range of browsers. Normal and sophisticated design will fetch marks accordingly and use of Ajax or Web 2.0 will earn more marks. Performance should be directly proportional to the GUI.	10
Functionality	All functionality should map all the requirements of the system fairly well.	10
E/O & P	Execution, output, and performance should be 100 percent. Partial execution will be accepted, but fewer points will be awarded.	10
Local Language Support	Local language support in the project will attract high marks, as will the way data is stored, either at interface or database level.	10

pureXML DB2 projects

Below are some of the key features in DB2 pureXML in which projects will be evaluated.

Mandatory features:

- Native XML storage: Storing XML in DB as a hierarchical object as against shredding it into tables
- Querying mechanism used
  - Use of XQuery: Use of XQuery is necessary to retrieve portions of XML documents; this retrieval can be done in multiple ways
    - Using only XQuery
    - Using XQuery embedded in SQL
    - Using XMLTable to create views on XML data and writing SQL to query the data just as any other relational table

Optional features:

- Index over XML data: B tree indexes defined by user to will improve query performance.
- Publishing functions: DB2 provides useful publishing functions to convert relational data into XML documents, such as XMLELEMENT or XMLATRRIBUTE, or functions in XMLROW and XMLGROUP. If a project has a scenario where data from relational tables needs to be sent to the application in XML format, it can make use of such functions. Use of these functions is not necessary if the user has stored most of the information required in XML documents (one can use SQL/XML functions or XQuery in this case).
- XML Update: Use of the XML Transform feature to update the XML documents stored inside DB2 tables. The update to XML can be done at the application level, also but is costly due to multiple parsing and serializing operations. Therefore, if a project uses the XML Transform feature, participants should get additional points.
- XML Schema: In DB2 pureXML, one can optionally choose to register XML Schema documents and optionally enforce validation of incoming XML documents against the registered schema. If a project is able to use (register XML schema and validate incoming XML documents against the registered schema) this feature, additional points should be awarded.

To make it easier to understand how we judge the top three teams, you might view Phase 1 as the semifinals. If you make it through Phase 1, you are into the TGMC finals (Phase 2).

Important:

- Final results are based only on Phase 2 performance.
- If there is a tie, we will review your Phase 1 score to determine a winner.
- Regardless of your scores, your project will be considered only if you have used IBM database server (DB2), development tool (Eclipse/RAD), and application server (WebSphere Application Server/WebSphere Application Server CE) in your TGMC 2011 project. A participation certificate will also be issued taking this criteria.

Have questions? Call us toll-free at 1800-425-9366.

We are available from 8 a.m. to 6 p.m. Monday through Friday.
You can also visit our FAQs, e-mail us at tgmc@in.ibm.com or post a question on our group message board.

Updated Sep 08 by skrsarvnn Show Changes

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