The Great Mind Challenge - Project Scenario Template

Note: Already filled information should not be changed

1.	**Name of the Project**	SMART INVENTORY MANAGEMENT SYSTEM
2.	**Objective/ Vision**	The client ABC is an MNC involved in automobile parts & accessories Manufacturing spread across various geographies. ABC has already acquired XYZ Inc which specializes in pistons manufacturing for high performance engines. ABC is now in process of integrating the XYZ systems & applications with that of the parent Application and also eyes in future expansions by acquiring other companies in the vertical. One of ABC's Application "Inventory management System(IMS)" is very robust and has been used for the past 4 decades in managing ABC's inventory.
3.	**Users of the System**	A. Administrator B. Area Manager C. Report Analyser D. Vendor
4.	**Functional Requirements (Atleast Eight)**	i. This system takes care of publishing tenders on various automobile parts to a set of preferred vendors automatically based on the inventory rules set in the system. ii. It also processes the quote from each vendor for the tender and automatically assigns the tender to the best quote. iii. The key features that ABC likes to add to the new module "Smart Inventory management System(SIMS)" iv. SIMS- needs to have order tracking and requirement tracking from the production manager. v. Inventory ordering should strictly follow JIT bound by a minimum threshold for stock management. vi. Blanket orders and Dynamically maintaining(add/delete) preferred vendors list. vii. Vendor should be able to track payment and delivery status of the component and also future production plans
5.	**Non-functional requirements (Atleast Four)**	i. The SIMS should be capable of handling 250 messages / second ii. The response for the best quote should be sent within 3 seconds. iii. Secure access of confidential data (user's details). SSL can be used. iv. 24 X 7 availability v. Better component design to get better performance at peak time vi. Flexible service based architecture will be highly desirable for future extension

6.	**Optional features**	a. b. c.
7.	**User interface priorities**	A. Professional look and feel B. Use of AJAX atleast with all registration forms C. Browser testing and support for IE, NN, Mozila, and Firefox. D. Use of Graphical tool like JASPER to show strategic data to admin E. Reports exportable in .XLS, .PDF or any other desirable format
8.	**Reports**	i. Reports customizing the stored data in a platform independent format and displaying it using style sheets. ii. Admin must be able to data in reports in excel sheets iii. Admin must be able to make pictorial depiction of data in excel sheets for better understanding iv. Reports should be elaborate for all the users.
9.	**Other important issues**	A. B.
10.	**Team Size**	2 - 4
11.	**Technologies to be used**	UML, J2EE, XML, e-Forms, AJAX, Web 2.0, Web-services, SOA
12.	**Tools to be Used**	• ROSE/RSA / WebSphere Modeler • Eclipse/ RAD / Lotus Forms Designer / Portlet Factory • WebSphere Portal/ WAS/ WAS CE / WPS • DB2 Express – 'C' or DB2 UDB • Tivoli CDP/TSM / Tivoli Directory Server • Linux will be the preferred OS.
13.	**Final Deliverable must include**	A. Online or offline help to above said users, Application deployment executive and developer B. Application archive (.war/.ear) with source code C. Database backup and DDL Script D. Complete Source code