# The Great Mind Challenge - Project Scenario Template

*Note: Already filled information should not be changed*

| 1. | Name of the Project | **SSMS- SMARTER SPACE MANAGEMENT SYSTEM** |
|---|---|---|
| 2. | **Objective/ Vision** | **The client ABC is Carrying & Forwarding(C&F) agent, where the** manufactured/shipped goods of various MNC's are parked before it leaves for the wholesale market. Due to the increase of customers for C&F activities and lack of his godown space, the client wants to innovate an application which smartly manages his godown space without loosing his business.<br> **The client now involves manual process for keeping records of the** goods/shipment that comes in/goes out of the godown, and accordingly updates his client about the availability of the space for the new shipment to be parked there. This process is manual/time consuming and has went wrong sometimes causing loss of business & trust. |
| 3. | **Users of the System** | **A. Administrator**<br>**B. Godown Manager**<br>**C. Vendor/Supplier**<br>**D. Accountant**<br>**E. Inventory Manager** |
| 4. | **Functional Requirements (Atleast Eight)** | i. . The application should communicate directly to the respective customers to ship their goods for the C&F activities.<br>ii. The application should manage the godown space itself in an optimized way so that the products<br>iii. Its more are like the allotted Godown space itself talking to the allotted company about its availability and capacity so that the company can send their goods/shipment based on the notification and there wont be any loss of business or the space remaining vacant.<br>iv.The proposed application SSMS, should be able to manage the records of the companies, about their shipment list, and how the C&F activities happened on it.<br>v. Once a shipment leave the C&F godown, the SSMS should automatically send notification/Email to the corresponding company about the details of the shipment that went out and how much space remaining so that it can be filled in with new |

| | | shipment from the company. |
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| | | vi. SSMS should also be able to generate reports about handling of shipments from various companies at a given point of time. |
| | | **Vii. The application should also be able to add new shippers validating through their e-mail ids.** |
| | | **Viii. The application should also have an integrated transaction module coupled to shipping and forwarding information.** |
| 5. | **Non-functional requirements (Atleast Four)** | i.     **Secure access of confidential data (user's details). SSL can be used.** <br><br> ii.    **24 X 7 availability** <br><br> iii.   **Better component design to get better performance at peak time** <br><br> iv.   **Flexible service based architecture will be highly desirable for future extension** |
| 6. | **Optional features** | **a.** <br><br> **b.** <br><br> **c.** |
| 7. | **User interface priorities** | **A. Professional look and feel** <br><br> **B. Use of AJAX atleast with all registration forms** <br><br> **C. Browser testing and support for IE, NN, Mozila, and Firefox.** <br><br> **D. Use of Graphical tool like JASPER to show strategic data to admin** <br><br> **E. Reports exportable in .XLS, .PDF or any other desirable format** |
| 8. | **Reports** | Reports customizing the stored data in a platform independent format and displaying it using style sheets. <br> ii. Admin must be able to data in reports in excel sheets <br> iii. Admin must be able to make pictorial depiction of data in excel sheets for better understanding <br> iv. Reports should be elaborate for all the users. |
| 9. | **Other important issues** | **A.** <br> **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** <br><br> •   **Eclipse/ RAD / Lotus Forms Designer / Portlet Factory** <br><br> •   **WebSphere Portal/ WAS/ WAS CE / WPS** <br><br> •   **DB2 Express – 'C' or DB2 UDB** <br><br> •   **Tivoli CDP/TSM / Tivoli Directory Server** <br><br> •   **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**<br><br>**B. Application archive ( .war/.ear ) with source code**<br><br>**C. Database backup and DDL Script**<br><br>**D. Complete Source code** |
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