The Great Mind Challenge - Project Scenario Template

Note: Already filled information should not be changed

1.	Name of the Project	Employee Expense management System
2.	**Objective/ Vision**	To build an automated employee expense management
3.	**Users of the System**	**A. Administrator** **B. Manager** **C. Employee** **D. Backup Admin**
4.	**Functional Requirements (Atleast Eight)**	i. **Voucher Entry – Screen for entering expense vouchers for any reimbursable expenses borne by the employee. A voucher should have one header and multiple lines providing detailed information of expenses incurred along with amounts** ii. **Multi-level workflow – Based on the Employees department and designation, the vouchers should flow to his supervisors for their approvals. The number of approvals required will vary according to total amount of the voucher and approval limits set for supervisors.** iii. **Case Management – Every voucher should start a new process instance (case). Managers should be able to view vouchers waiting for their approval in their Inbox by logging in to the application. Employee should be able to track progress of his vouchers** iv. **Draft Vouchers – System should provide the ability to save incomplete vouchers and submit them for approval later after completion.** v. **Rejection flow – At any point in the workflow, managers should have the option of rejecting any voucher stating appropriate reasons. Rejected vouchers should come back to the Employee, who is then allowed to change details on the vouchers or provide additional information required for the approval.** vi. **Accounts View – Accounts department users should be able to view approved vouchers of all employees and mark vouchers as paid. This step completes the lifecycle of the voucher and the associated process instance.**
5.	**Non-functional requirements (Atleast Four)**	i. **Secure access of confidential data (user's details). SSL can be used.** ii. **24 X 7 availability** iii. **Better component design to get better performance at peak**

		time
		iv. **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**	1 .MIS Reports – MIS reports stating status of the vouchers 2. Exception Reports – Reports listing vouchers awaiting approval above a defined turn-around time (threshold) 3. Master data management – Creation of masters for Employee Hierarchy, setting approval limits etc 4. Employee Hierarchy View - View of Employee Hierarchy 5. Rejected vouchers report – Report listing vouchers rejected by Managers 6. Reports customizing the stored data in a platform independent format and displaying it using style sheets. 7. Admin must be able to data in reports in excel sheets 8. Admin must be able to make pictorial depiction of data in excel sheets for better understanding 9. Reports should be elaborate for all the users.
9.	**Other important issues**	A. B.
10.	**Team Size**	**2 – 4 students**
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** |