The Great Mind Challenge - Project Scenario Template

1.	Name of the Project	Online Picture Management
2.	Objective/ Vision	A social-networking website that is to share Photos, Videos
3.	Users of the System	A. General user B. System Admin

4.	Functional Requirements (Atleast Eight)	i. Should provide a common platform where people can
		    a. Share photos, Videos
		    b. Endorse someone else's concern and augment with more proofs, details etc.
		    c. Call for an online debate or discussion on certain topics of broad applicability
		ii. Should provide for automatic tagging of pictures and videos and categorise them.
		iii. Should be highly dynamic, with minimal static content as framework and maximum content created by site participants
		iv. Should be highly extensible to the extent technically possible. Users should be able to add content, add small pieces of new functionality and change their portion of the site (not just colors & look & feel).
		v. Pictures should be stored with relevant format.
		vi. Being dependent highly on dynamic content collaborated by users, the site should have the features to auto analyze topics, group discussions, auto recommend threads based on searches etc.
		vii. Should have the ability to tag social discipline violators using their UID
		viii. Authenticity for adding users is utmost important for such a website. Definitely one should not be allowed to have more than one profile, validation of user should be done using email id
		ix. There should be a placeholder for dealing with disputing situations for the site as it is quite possible for recipients of negative reward to resist. The dispute resolution mechanism should not be like traditional court, it should again be based on social forum like multiple opinions, group actions etc.

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. There are lot of freeware & open source applications available for many social functions. The team is expected to search & leverage these to the maximum. The team which gets maximum function to the website by writing less number of code lines will score over the team what writes everything from scratch.
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	A. Reports for general user B. Reports for a fit-to-purpose group. D. Reports for Site admin..the operational reports to make the site better in future.
9.	Other important issues	A. Suggested to do realtime-integration to as many sites/ information sources like Picassa, Flickr B. You are free to make any other assumptions as long as you don't derail the core spirit of this theme.
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

| | | **E. Sample report files** |
| | | **F. Sample screenshots of important screens** |