

## The Great Mind Challenge - Project Scenario Template

***Note: Already filled information should not be changed***

1.	Name of the Project	Online College Magazine.
2.	Objective/ Vision	<p>Creating and managing an Online College Magazine where college students and faculties can post and read various articles, thus promoting literary insight. Articles can be searched by anybody in the world. Factors behind the motivation of this system are:</p> <ol style="list-style-type: none"> <li>1. Not all students make it to the printed magazine.</li> <li>2. Creativity of students needs to be nurtured.</li> <li>3. Creating a user-friendly interactive place where students/faculties can share their ideas.</li> </ol>
3.	Users of the System	<p>A. Guest/Anonymous.  B. Registered Members (Students/Faculty).  C. Moderators.  D. Administrators.</p>
4.	Functional Requirements (At least Eight)	<ol style="list-style-type: none"> <li>i. Search Engine for all the articles posted till date. Accessible by anybody.</li> <li>ii. Essential steps to be taken to prevent authenticity infringement.</li> <li>iii. Articles to be distributed in categories. Can overlap 2 or more categories. Articles to be associated with suitable tags by the registered users at the time of posting, so that they are searchable.</li> <li>iv. The home page to consist of attractive essential features like: most read articles, editor's pick, recently posted articles, highest rated articles, article of the month, college news, etc.</li> <li>v. Archives to be maintained.</li> <li>vi. Interactive feedback to be supported to enhance the user experience.</li> <li>vii. Guests can read articles, rate them and comment on them. They can also access other optional features (amenities like Word of the day, etc.) but can't post articles unless they sign in as registered users.</li> <li>viii. Automatic commenting on articles by spammers/automatic bots to be defied.</li> <li>ix. Prevent standard automated software from filling out a form.</li> <li>x. College Students/Faculties can only register as members (through unique IDs).</li> <li>xi. Alumni registration to be supported.</li> <li>xii. Registered members, Moderators and Administrators are allowed to post articles.</li> </ol>

		<p>xiii. Articles can be downloaded in various formats.</p> <p>xiv. Registered users, Moderators, and Admins will have their own profile, where they can edit info for the world to see. Useful “updated” info related to their activities to be available at their profiles.</p> <p>xv. Regex to be extensively used for prohibiting obscene and unacceptable comments.</p> <p>xvi. Moderators will have associated categories, according to which to-be-validated-articles will be posted to them on their profiles. On rejection, he will have to provide a reason for the same, which will be forwarded to the concerned user.</p> <p>xvii. Automated mails to be sent on rejection/acceptance of articles.</p> <p>xviii. Admin can add/delete moderators. Progress report of moderators will be available to her/him. Admin has all the privileges a moderator has. Can post news which will be visible at the home page.</p>
5.	Non-functional requirements (Atleast Four)	<p>i. Secure access of confidential data (user’s details). SSL can be used.</p> <p>ii. 24 X 7 availability</p> <p>iii. Better component design to get better performance at peak time</p> <p>iv. Flexible service based architecture will be highly desirable for future extension</p>
6.	Optional features	<p>a. Discussion poll.</p> <p>b. Word of the day.</p> <p>c. Thought of the day.</p> <p>d. Uploading of articles in various formats.</p>
7.	User interface priorities	<p>A. Professional look and feel</p> <p>B. Use of AJAX atleast with all registration forms</p> <p>C. Browser testing and support for IE, NN, Mozilla, and Firefox.</p> <p>D. Use of Graphical tool like JASPER to show strategic data to admin</p> <p>E. Reports exportable in .XLS, .PDF or any other desirable format</p>
8.	Reports	<p>A. Members can see no. of articles posted, articles rejected. Plus they can track their activity.</p> <p>B. Moderators can see no. of articles received, no. of suggestions received and no. of inputs answered.</p> <p>C. Admin can see the progress of site, of members, of moderators.</p> <p>D. The progress graph of website, to be available to everybody.</p>
9.	Other important issues	<p>A. Presentation and design.</p> <p>B. Navigable, with an easy site-map.</p> <p>C. Authenticity and decency of articles to be a</p>

		<p><b>priority</b></p> <p><b>D. User-friendliness</b></p>
<b>10.</b>	<b>Team Size</b>	<b>2 – 4 members</b>
<b>11.</b>	<b>Technologies to be used</b>	<b>UML, J2EE, XML, e-Forms, AJAX, Web 2.0, Web-services, SOA</b>
<b>12.</b>	<b>Tools to be Used</b>	<ul style="list-style-type: none"> <li>• <b>ROSE/RSA / WebSphere Modeler</b></li> <li>• <b>Eclipse/ RAD / Lotus Forms Designer / Portlet Factory</b></li> <li>• <b>WebSphere Portal/ WAS/ WAS CE / WPS</b></li> <li>• <b>DB2 Express – ‘C’ or DB2 UDB</b></li> <li>• <b>Tivoli CDP/TSM / Tivoli Directory Server</b></li> <li>• <b>Linux will be the preferred OS.</b></li> </ul>
<b>13.</b>	<b>Final Deliverable must include</b>	<p><b>A. Online or offline help to above said users, Application deployment executive and developer</b></p> <p><b>B. Application archive ( .war/.ear ) with source code</b></p> <p><b>C. Database backup and DDL Script</b></p> <p><b>D. Complete Source code</b></p>