

The Great Mind Challenge – Food Safety Portal

1.	Name of the Project	Food Safety Portal
2.	Objective/ Vision	Provide an application which allows residents and visitors of a city to find out more about food-related aspects about the city. Aspects include information about restaurant and market certifications and what to look for (education), local diet and/or delicacies, or even a restaurant guide.
3.	Users of the System	A. city residents B. visitors C. city employees D.
4.	Functional Requirements (Atleast Eight)	<ul style="list-style-type: none"> • Web accessible information base • Provide templates for information entry – e.g. education, dining guide, food handling guide, etc. • Allow for easy update of information by city employees • Allow for easy retrieval of feedback collected to facilitate acting on feedback received • Extensible to allow each city to update with their own specific information • Allow report of food-related illness (non-life-threatening) • Allow report of food safety concern • Allow submission of suggestions for improvement • Enable a map view of the city which marks locations of restaurants and markets
5.	Non-functional requirements (Atleast Four)	<ul style="list-style-type: none"> • Support at least 200 concurrently connected users • Robust database design to handle expected users of up to 1,000,000 residents • Response time for website should be sub-second • Easy backup and recovery of user supplied information
6.	Optional features	a. b. c.
7.	User interface priorities	A. Professional look and feel B. Browser testing and support for IE, Safari, Chrome, and Firefox. C. Reports exportable in .XLS, .PDF or any other desirable format

8.	Reports	A. Report of restaurants visited and reviewed B. Report of food-related illnesses C. Usage report of website (hit rates, popular pages) D. Report of user suggestions
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	<ul style="list-style-type: none"> • Rational Team Concert, Requirements Composer, Design Manager • Eclipse / RAD • WebSphere Portal/ WAS/ WAS CE / WPS • DB2 Express – ‘C’ or DB2 UDB • 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. Instructions on what and how to update the web application data (static pages) with city-specific information. C. Application archive (.war/.ear) with source code D. Database backup and DDL Script E. Complete Source code