Assignment 1 Project Scenario Detailed View

Name of the Project	Patient Billing Software
Objective/Vision	This project is aimed at developing a patient billing software system that is of importance to a hospital. The PBS is a local software system. This system can be used to maintain the location (bed no.) of each patient either in the ward or the ICU. Information about the patient and the charges to be paid is also stored
User of the System	A. Team members (Employees of Organisation) B. Administrators
Functional Requirements	• Login to the system through the first page of the application • Change the password after logging into the system • Enter / edit the organization code and address. • Enter the ward number for the patient either in the general ward or the ICU. • Settle all bills pending to be paid by a patient before the patient's discharge. • Keep a track of all beds occupied / free in both the ward and the ICU. • Keep a track of all transfers of patients from the general ward to the ICU and vice versa. • View information of all patients details, their admit time and the amount to be paid based on the treatment given and the ward selected. • Update the table fields (patient details, the amount to be paid / any balance remaining, the ward number, the bed number, the registration number, case number, etc.) as soon as a new patient
Non-Functional Requirements	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
Optional Features	• Java based client for Administrator • Customizable color scheme or skins • Help-pages of the application in the form of Q&A
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
Reports	A. Organisation wise B. Team wise, department wise and technology wise
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. That means, if I want to use this software in different Hospitals, least time should be taken to customize it.
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE

	DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 2

Project Scenario Detailed View

Name of the Project	Back To My Village
Objective/Vision	BTMV is a charity group of professionals those want to voluntarily contribute in their village/town's development. Issues like Primary education, people's health, government policies awareness and availability of basic facilities/infrastructure are on main focus among others. Through the website group want to help their members collaborate, to plan, assess and implement different activities and learn with others experience/feedbacks/suggestions. Group also wants to encourage others to join their initiatives and recognize their contributions.
User of the System	A. Anonymous B. Group members C. Web Administrator
Functional Requirements	i. Secure registration and profile management facilities for group members ii. Tracking member's activities and progress. iii. Facilitating communication - Discussion forum/chat/mail – very important iv. Assessment of current situation: With the help of online questionnaires, members need to access the mature ness of primary education, health facilities etc. and based on the assessment need to categorize (total 5 categories) and chalk out a plan of actions by choosing from system suggested activities. v. Each plan of action would be shared with other members before execution so that they can share their experiences, feedbacks and suggestions. vi. Your creativity is required to frame the activities in each field. For example, to promote child education one can start giving scholarship to top 3 students in each class, you can also award best teachers on the basis of class result etc. These activities may be executed in many phases. vii. Group promotes its activities by providing online information and Face-to-face meetings with professionals to raise funds. They create case studies and share with everyone to motivate them to contribute. viii. Members are advised to develop a volunteers group in the village so that they can monitor, stabilize the changes and report to you. ix. Group also runs a monthly magazine and mails it to all members and those who had subscribed. Any one can subscribe for it for free. x. Basic and advance admin facilities like add/update members, backup/recovery of data, generating various reports etc.
Non-Functional Requirements	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
Optional Features	1. Java based client for Administrator 2. Customizable color scheme or skins 3. Interface to admin to change static web contents.
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
Reports	A. State/areawise list of adopted villages and their timely progress report

	B. Activities list and plan of action C. Magazine Subsciption statistics D. Members list and their activities
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. Group also seeking for any creative ideas from you to support and promote their mission.
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 3

Project Scenario Detailed View	
Name of the Project	Chess Masters Club
Objective/Vision	Creating and managing an Online Chess Club where game lovers can learn and play Chess games by different means (Chess tutorial, puzzle, game with computer or other player etc.). Professional players can take part in tournaments that is totally a commercial activity for site owner.
User of the System	A. General end-users for fun. B. Chess tournament players. C. Admin/managers
Functional Requirements	i. Registration and profile management for Players with their preferences. ii. Provision for Chess pieces movement polices. iii. Chess Watch must be available to all users. iv. Players rating evaluation algorithm. v. Tournament game management activities. vi. Game stop, resume and saving options vii. Facilitate communication between players using forums/online chat viii. Help, tutorial and instructions for end-users to learn chess game and puzzle ix. Strategic data and graphs for admin and authority x. Basic and advance admin facilities like backup/recovery of data, generating various reports etc.
Non-Functional Requirements	i. Board will be loaded once in browser, then we send geometric notation of the board for refreshing. So board will be refreshed in micro seconds. ii. Use of SSL for data transmission during game. iii. 24x7 Availability
Optional Features	• Java based client for User B & C • Basic level chess between User & computer • Customizable color scheme or skins
User Interface Priorities	A. Professional look and feel but light interface that can attract viewers 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/reports to admin E. Reports exportable in .XLS, .PDF or any other desirable format
Reports	A. Shows all the moves played in the game. B. Top 100 games between most rated players. C. Particular User's play pattern based on last 10-100 games D. Other general reports
Other Important issues	Analysis of other players move in history will help a player to make a winning strategy. If you can provide any such feature(s) that would be highly appreciated.
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	Rational Rose/RSA RAD/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.

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

Assignment 4

Project Scenario Detailed View	
Name of the Project	Constituency Management System*
Objective/Vision	Looking for a comprehensive solution to e-governance so that various constituencies can be managed and a complete solution is obtained. This will have all constituencies managed by respective MLA/MP and each of the funds used/left will be shown. The residents can also complain over any problem they are facing and will have their queries responded.
User of the System	A. MLA/MP of each constituency B. Residents of each constituency C. Administrators (One can add more users, if needed)
Functional Requirements	i. The website will display all constituency currently been monitored by MP/MLA ii. Each MP/MLA will be given a special area/page where they can monitor their constituency iii. Residents can register themselves and register his problem and the updates will be delivered to him. He can also view the status of his problem. iv. There will be a chat session where once in a week/month the MP/MLA of that constituency or a representative will be present to interact with the users. (Only if enough users are available online). v. The voter id number will be used as a reference so as to remove redundant applicants and they will be made members only when their voter id number is verified by the administrator. vi. Each problem will be given a reference id and the problem will be emailed to all the members of that particular constituency along with a cc to the MP/MLA of that area. vii. Integration to the existing e-governance system of the government. viii. Possible updates over the funds of that particular constituency and their uses will be displayed on that page. ix. The administrator can manage the problems on Severity levels like 1,2,3..etc. according to priority. The Sev 1 problem is the most urgent and so on. x. Each problem for constituency can be shown along with filter to Severity and also the updated status. xi. The MP/MLA representative has the authority to forward the problems to department by email. xii. CM (as admin) can see progress about each constituency of state.
Non-Functional Requirements	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
Optional Features	a. SMS report of query/problem to the customers b. Implementation at various KIOSKS c. Reminder to the MP/MLA representative regarding problem
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

Reports	A. State wise/Constituency wise report B. Problem reports and resolved for each month C. Departmentwise filtered reports D. Fund allotment/use report
Other Important issues	A. Interfaces should be user-friendly, use of local language is recommended B. Java based clients for User-B and C
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 5

Project Scenario Detailed View	
Name of the Project	Customer Service Desk
Objective/Vision	An online comprehensive customer care solution to manage customer interaction and complaints with the service providers by phone, mobile, web and e-mail. The system should have capability to integrate with any service provider from any domain or industry like banking, telecom, railways etc.
User of the System	A. Customers B. Service providers(Service providers from any sector like banking, telecom, railways etc) C. Administrators/Managers
Functional Requirements	i. Tracking all customer interactions with voice recording facility wherever applicable ii. Tracking customer complaints – Ticket create, edit facilities by customer or service provider iii. Online ticket status enquiry, ticket escalation and ticket contest facilities for the customers and facility to view last N interactions/tickets iv. Feedback system for customers on customer interactions, complaints and resolutions and on any new requirements that might be helpful to the service provider/customer v. Comprehensive reports on interactions, complaints and resolutions, feedback with suitable graphs. vi. Admin facilities to add/view/edit different types of interactions/complaints vii. Evaluation of the feedback on service provider and/or new requirements to improve the service between the customer and the service provider viii. Online help, context sensitive, Online Demo ix. Help manual download and report download facilities
Non-Functional Requirements	i. Secure access of confidential data (user's details). SSL can be used. ii. High Availability iii. Better component design to get better performance at peak time iv. Flexible service based architecture will be highly desirable for future extension
Optional Features	a. Customizable color scheme or skins b. Java based client app for admin that can help admin with load analysis and problem resolution performance c. SMS based ticket status enquiry & reporting
User Interface Priorities	A. Professional look and feel B. Use of AJAX wherever applicable C. Use of Graphical tool like JASPER to show strategic data to admin D. Reports exportable in .XLS, .PDF or any other desirable format
Reports	A. Different types of reports on daily, monthly, weekly, annual basis, date range and type of interactions and complaints on complaints/interactions for the service providers B. Reports for customer escalation and/or contest C. Searching tickets based on customer id, ticket id and date range. D. Reports on feedback by the customer and new requirements(suggestions from customers)
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. Easy integration with any service provider.
Team Size (Maximum)	4

Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RUP/ROSE/RAD/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
Final Deliverable must Include	A. Online or offline help to above said users, Application deployment executive and developer B. Application archive (.war/.ear) C. Database backup and DDL Script D. Complete source code

Assignment 6

Project Scenario Detailed View	
Name of the Project	E-Mentoring for Women*
Objective/Vision	Developing an online mentoring system to promote more women to splurge into the field of Science and technology breaking the myths and taboo's society imposes. Also, to give them a platform to be on power with a working woman.
User of the System	A. Students B. Working women (mentors) C. Data Manager D. Master Mentor E. NGOs
Functional Requirements	i. It should showcase successful women in various fields and their success stories, which should be motivation for young girls around the globe. ii. It should create profiles of both registered students and mentors. iii. Profile matching should give results of best suited mentor for each student based on the profile. iv. Forum's for both students, mentors and NGOs. v. Students can take up EQ(emotional quotient) tests and various other tests which help the student to realize her in built talents for various fields. vi. Based on these a list of the top universities and schools should be displayed based on various factors namely geographic location, university ranking, etc. Also, relevant scholarships should be displayed. vii. It should also provide various tutorials and tests to be accessed by the mentor, who would make it available to their student. viii. Also, the progress made by the student should be sent to the respective mentor. ix. A regular news-letter should be sent to various universities to make them aware of the e-mentoring system. x. Mentors could suggest certain students who according to them require assistance in non-technical matters to members of the registered NGOs thus enabling a private communication between the student and the NGO. This could also be a platform for conducting various e-conferences on gender equity and related issues. The participation of NGOs working towards the cause of empowerment would be a great positive.
Non-Functional Requirements	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
Optional Features	a. Online MCQ's testing facility. b. Upload various files and photographs to be displayed on the users profile. c. Customizable color schemes or skins.
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
Reports	A. Student wise reports for each mentor for various tests. B. Collective report of all students under a mentor.

	C. Tutorial utilization reports. D. Reports of participation in various forums, blogs, e-conferences should be displayed on the profile.
Other Important issues	A. The website should be adaptable to more than two groups i.e , segregation of students into two namely school going and university going B. It should also accommodate the transition of a student into a mentor with the passage of time. C. Forums focusing on the day to day challenges in the working world faced by women.
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 7

Project Scenario Detailed View	
Name of the Project	Get Your Campus*
Objective/Vision	An state-level online comprehensive solution to provide information regarding various institutes, their courses and admission procedures for admission seekers in Bachlor courses. Besides this, live/offline counseling to students for carrier prospects by experts.
User of the System	A. Administrator B. Institute management C. Counselors D. Information/Admission seekers
Functional Requirements	i. Admission seekers should be able to search for information about Institutes in desired fields. ii. The Information seeker will get proper live/offline help from counselors in the respective field. iii. Facilitating the Institute Management to upload the information about the respective Institute/Student after verification by the Administrator. iv. The counselor should be able to add tips and advices in Discussion Forum. v. The general users can discuss their queries that are answered by the experts. The experience holders can share their views on the forum. vi. The administrator should be able to monitor and edit the forums and the information provided by the system users so as to avoid undesired language or data. vii. Getting feedback from the general users about the quality of counseling and the information provided. viii. Showcasing the counselor's profiles and their achievements so that Admission seekers can get help from the right counselor. ix. The Institutes can have premium account in which they can provide live help to the general users and also provide for Information Brochures & Admission forms. x. Proper management of accounts & payments of hired counselors.
Non-Functional Requirements	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
Optional Features	a. SMS and email alerts about recent information. b. Profile customization by users. c. Places can be added where Institutes can place their advertisements.
User Interface Priorities	A. Professional look and feel B. Use of AJAX at least 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
Reports	A. Analysis about the number of Institutes and counselors on the website. B. Market trend report generation on the basis of feedback provided by user D. C. The no of emails and alerts sent. D. Performance analysis and ranking of counselors and institutes areawise.

Other Important issues **Team Size (Maximum)**	Website should be highly customizable and flexible enough for easy deployment. Easy integration with any service provider. 4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 8

Project Scenario Detailed View	
Name of the Project	Go Vegetarian
Objective/Vision	This is a social group of Indian NRIs those are committed to promote the benefits of vegetarian foods all over the world and also want to expand group. Through the website they want to impart knowledge on vegetarian food preparation, impact on health, information about meetings, events and product promotions etc. Group members are also convincing stores, food chain giants to prepare and market certain vegetarian dishes so all group members' wants to update their activities.
User of the System	A. Anonymous B. Group members C. Web Administrator
Functional Requirements	i. Secure registration and profile management facilities for group members ii. Tracking their activities and progress. iii. Facilitating communication - Discussion forum/chat/mail – very important iv. Focused education to ladies, kids, senior citizens and professionals v. Create your complete vegetarian diet plan. vi. Veg Dishes – contents, preparation process, calories, food corners where its available. This is dynamic info so can be added and updated from admin interface. vii. Group members are working as foodservice advisor, and assisting colleges, restaurants, company cafeterias, caterers, and others to add healthy vegetarian options. They create case studies and promote these organization's favorable activities. viii. Group also runs a weekly magazine and mail it to all members and those who had subscribed. Any one can subscribe for it for free. ix. Details about next face-to-face meeting, cooking demonstrations, health conferences, quizzes and competitions etc. are also need to be highlighted. x. Basic and advance admin facilities like add/update members, backup/recovery of data, generating various reports etc.
Non-Functional Requirements	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
Optional Features	1. Java based client for User-B & C 2. Web content updating interface to admin 3. Customizable color scheme or skins
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
Reports	A. Search & reports for dishes and restaurants B. Final diet plan C. Magazine Subsciption statistics D. Members list and their activities
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. Group also seeking for any creative ideas from you to support and promote vegetarianism.

Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 9

Project Scenario Detailed View	
Name of the Project	GSM based Remote Monitoring and Billing*
Objective/Vision	The vision of the project is to replace the existing manual reading of electricity meters installed throughout the country (Home, Agricultural, and Industrial). The proposed solution is to build a server for the Electricity boards in each state where the custom built GSM meters would update in real time through SMS and instant status of the meter network can be established. The system will cut costs and improve transparency to a very large extent. Any failure or inconvenience on the consumer side can be instantly detected and rectified. The electricity board server can monitor and analyze the status of each and every individual meter on the network. The server would also provide a complete billing solution for the same.
User of the System	A. General Public (Home users) B. Agriculturists (Agricultural users) C. Industries (Industrial users) D. Electricity Board – Administrators E. Electricity Board – Officers F. Municipalities/ Municipal Corporations/ Panchayats
Functional Requirements	i. Secure registration and profile management facilities for all the users in the system. ii. Instant updates on the server through SMS or compatible media. iii. Retrieval system on the GSM meter for up-to date billing amount. iv. Grievance handling and status reporting to the users. v. Backup and log facilities to control access of sensitive data. vi. Reliable GSM system handling and management. vii. A Complete billing system for the electricity board. viii. Billing system compatible with existing tariffs and monthly/bi-monthly bill creation. ix. Consideration for peak hours and special timings in the billing system. x. Visit http://rapidshare.com/files/133390608/GSM.zip.html for more details
Non-Functional Requirements	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.
Optional Features	a. Water and Gas billing & reporting. b. Improved Crisis management system for the electricity board. c. Fraud detection and management. d. Improved SMS traffic management.
User Interface Priorities	A. Professional look and feel B. Use of AJAX at least with all registration forms C. Browser testing and support for IE, NN, Mozilla, 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
Reports	A. Detailed Consumer monthly/bi-monthly report. B. GSM Meter status report. C. Pending Issues report.
Other Important issues	A. Tampering and evasion of billing on the GSM meter should be instantly detected and addressed. B. The interfaces should be user-friendly and intuitive. C. A custom and optimized format for the SMS has to be developed.

Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Compatible GSM modem (with extensive customization) Linux will be the preferred OS.
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

Assignment 10

Project Scenario Detailed View	
Name of the Project	Improved Railway Ticketing*
Objective/Vision	Looking for an online solution to provide travelers with all facilities on internet. It will provide the following facilities on one site: * Information regarding trains * Seat Availability * Online Reservation/ Cancellation * Info about Train Running
User of the System	A. Customers B. Travel Agent C. Railway Authorities (for updation of charts etc) D. Administrator
Functional Requirements	i. Users must have a valid UserID and password to login ii. Maintain logs for all users that admin can enquire. iii. In case of waitlisted tickets User must have an option of booking in multiple trains by paying only the cost of highest amount. Whichever ticket gets confirmed first is sent to the user and all others are automatically cancelled and any amount left is refunded. iv. Online Status of the tickets must be provided in real time. v. In Users Home Page any information regarding late running of train must be displayed. vi. Travel Agents may book bulk Ticket at a slightly Higher Cost which must be indicated by the system. vii. Railway Authorities provide information of all trains which are running late. This work is done manually. They also update the Emergency Quota in train before chart preparation. viii. Grievance handling system for User-A&B ix. Administrators can perform all related activities like generating reports, control user's activities, take backup etc.
Non-Functional Requirements	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
Optional Features	a. Send SMS/email to user in case of late running of his train b. Inform User whenever his ticket gets confirmed. c. Customizable color scheme or skins
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
Reports	A. Date-wise, location-wise, agent-wise, train-wise reports for number of Tickets booked. B. Finding out routes that have most heavy rush. C. Route info, payment receipt and ticket status report to user A & B. D. Graphical representation of this huge data must be available to User-C & D
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. Easy integration with any service provider.
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA

Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 11

Project Scenario Detailed View	
Name of the Project	Insurance on Internet
Objective/Vision	Objective is to automate all possible functionalities of the insurance sector by helping all stakeholders to use this web-based system. Obviously, company is looking for more profit, bigger market reach and 24X7 availability of services.
User of the System	A. Customers B. Agents C. Administrators
Functional Requirements	• Web registration and profile management all policy holders (customers). Automated e-mail based confirmation. • Information Catalog and search facility for all available policies exportable in PDF format. • Insurance Premium calculator to provide details as the amount of premium, annually, quarterly etc. • Catalog and contact information about agents of your regions. • Agents can set alerts mails for the premiums due or news or important notices. All such formats should be available in advance. • Claims reporting and status enquiry • Add on new Policy, news, notice • Online Help to customers and training modules to agents • Customers grievance handling mechanism . Basic and advance admin facilities like add/update Agents, backup/recovery of data, generating various reports etc.
Non-Functional Requirements	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
Optional Features	1. Java based client for Administrator 2. Resume maker for students 3. Customizable color scheme or skins
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
Reports	A. Insurance agent should be able to generate reports for o number of policies processed in specified duration with detailed breakup o number of policies for specific insurance plan with details o number of policies prepared customer wise with details o policy wise reports for amount and customer details B. Customers can get report on payment history. C. Strategic reports and graphs for admin
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. That means, if I want to use this solution for some Vehicle insurance company, least time should be taken to customize it.

Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 12

Project Scenario Detailed View	
Name of the Project	Internet banking system
Objective/Vision	Looking for an online comprehensive solution to manage Internet banking. This will be accessible to all customers who have a valid User Id and Password. This system provides the following facilities: Balance Enquiry Funds Transfer to another account in the same bank Request for cheque book/change of address/stop payment of cheques Viewing Monthly and annual statements.
User of the System	A. Team members (Customers) B. Industrialists, Entrepreneur,Organisations academicians etc. C. Administrators
Functional Requirements	i. Customer must have a valid User Id and password to login to the system ii. If a wrong password is given thrice in succession, that account will be locked and the customer will not be able to use it. When an invalid password is entered a warning is given to the user that his account is going to get locked. iii. After the valid user logs in he is shown the list of accounts he has with the bank. iv. On selecting the desired account he is taken to a page which shows the present balance in that particular account number v. User can request details of the last 'n' number of transactions he has performed. A report can also be taken of this vi. User can make a funds transfer to another account in the same bank. User is provided with a transaction password which is different from the login password. vii. User can transfer funds from his account to any other account with this bank. If the transaction is successful a notification should appear to the customer, in case it is unsuccessful, a proper message should be given to the customer as to why it failed. viii. User can request for cheque book/change of address/stop payment of cheques ix. User can view his monthly as well as annual statements. He can also take print out of the same.
Non-Functional Requirements	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
Optional Features	 Java based client for Administrator  Customizable color scheme or skins
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
Reports	A. Country wise/State wise/City wise B. Category wise
Other Important issues	Website should be highly customizable and flexible enough to easily deploy.
Team Size (Maximum)	4

Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS
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

Assignment 13

Project Scenario Detailed View	
Name of the Project	IT Enabled Academia
Objective/Vision	Your solution is supposed to automate the routine teaching-learning support activities so the academics authority can monitor it and control the things. It starts from Time-table generation on available resources like programmes, courses, subjects, teachers, lecture room/lab preferences. Assignments/lecture notes upload, Daily class attendance, student feedback, exams marks updation and students/faculty profile management would be the integral part of this system.
User of the System	A. End-user/student B. Data Manager C. Subject Teacher D. Admin/Dean/Director
Functional Requirements	i. It should generate schedule/time-table without any of clashes among teachers, day, time and room that must be visible to all. ii. There should be provision for combined classes, guest lecture, faculty timing preferences, room capacity, various lecture durations etc. iii. Faculty can put lecture plan, teaching slides/exercise for their lectures that'd be accessible to students. iv. At the day end, students can give online feedback/suggestions online. v. Any change in master data or timetable made by User B/C must be approved by D before display. vi. Attendance and day-to-day student performance upload facility to teacher vii. Secure registration and profile management facilities for different users viii. Strategic data and graphs for admin and college / university authority to see utilization for resources. ix. Basic and advance admin facilities like add/update users B/C, backup/recovery of data, generating various reports etc.
Non-Functional Requirements	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
Optional Features	a. Java based client for User-B & D b. File based data upload feature c. Online MCQs testing facility d. Customizable color scheme or skins
User Interface Priorities	A. Professional look and feel B. Use of AJAX atleast with all registration forms C. Use of Graphical tool like JASPER to show strategic data to admin D. Reports exportable in .XLS, .PDF or any other desirable format E. Browser testing and support for IE, NN, Mozila, and Firefox.
Reports	A. Resource utilization reports B. Coursewise, teacherwise, daywise reports. C. Student attendance and performance report D. Daily report to dean on relevant criteria
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. That means, if I want to use this solution for any college or university, least time should be taken to customize it.

Team Size (Maximum)	4
Technologies to be Used	J2EE, UML, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	Rational Rose/RSA RAD/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS
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

Assignment 14

Project Scenario Detailed View	
Name of the Project	Manage Prisons
Objective/Vision	This project is aimed at developing a prison management system that is a collection of registers and reports for the effective management of prisons. Besides this police and government officials can see crime/criminals reports for their purpose.
User of the System	A. Police officers (Read only access) B. Data Manager (Can add/update data) C. Administrators (Jail admin/government officials)
Functional Requirements	• Nominal Roll: The details of the prisoner and his/her demographic details should be captured. A digital photo comprising different views of the prisoner and the list of articles surrendered by prisoner during nominal roll are to be recorded. • Case register: All the details of the cases against the prisoner should be captured. This must include the sentence details, remand/conviction details, etc. • Automated release diary generator: This report should be display the list of prisoners to be released on a day, the next day, the next week, the next month, or any given duration of time. The system should consider the reduction of sentence length due to various considerations. • Parole register: This module should track all prisoners on parole and provide necessary reports on this data. • Duty register: Who was where, why and when. • Interview requests: All interview requests by the relatives of the prisoners need to be recorded and tracked. • In-out register: An in-out register will track all prisoners and others who move in and out for various reasons. This should include provisions for recording the prisoners sent to courts for hearing. • Fund allotted and routine accounting transactions should be captured. • Basic and advance admin facilities like add/update users, backup/recovery of data, generating various reports etc.
Non-Functional Requirements	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
Optional Features	1. Java based client for User B & C 2. Customizable color scheme or skins 3. Help-pages of the application in the form of Q&A
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
Reports	A. Various status reports and demographical analysis reports are to be generated. B. All necessary search and reports on above said registers. C. Strategic graphs along with reports for admin
Other Important issues	Website should be highly customizable and flexible enough to easily deploy without much effort.
Team Size (Maximum)	4

Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 15

Project Scenario Detailed View	
Name of the Project	My Mission - City Without Crime
Objective/Vision	Developing an online comprehensive crime reporting system to engage public, NGOs, police and government agencies to be more quick, proactive and responsive to fight with crime and criminals.
User of the System	A. General public B. Police, Detectives and Security agencies C. Administrators (Central government body) D. Other users (if you think there is a need)
Functional Requirements	i. Crime Reporting forms, progress tracking, proof attachments. On form submission an SMS goes to regional police officer in case if its serious category crime where quick attention is required. ii. Facilitate crime and criminals search – region, crime-type, gender, age group wise etc. iii. Missing citizen or valuables reporting and search iv. Recognition of citizen and other users' contribution in solving criminal issues. v. Secure registration and profile management facilities for detectives and security agencies vi. Facilitate communication between all stakeholders - Discussion forum/chat/mail/polls vii. Help book & time-to-time instructions to users through mail/sms viii. Strategic data and graphs for admin and police authority
Non-Functional Requirements	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 v. Uninterrupted mail and sms services.
Optional Features	- Java based client for Administrator - Web-services based architecture to integrate other government web-applications  Customizable color scheme or skins
User Interface Priorities	A. Professional look and feel B. Use of AJAX atleast with all registration forms C. Use of Graphical tool like JASPER to show strategic data to admin D. Reports exportable in .XLS, .PDF or any other desirable format
Reports	A. Different levels of reports on crime and criminals - region, crime-type, gender, age group wise and others B. Missing valuables and citizen reports C. Weekly progress reports to admin D. One-page complete information to admins and police authorities depends upon many criterias
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. That means, if I want to use this solution for a particular district or state, least time should be taken to customize it.
Team Size (Maximum)	4
Technologies to be Used	J2EE, UML, XML, AJAX, Web 2.0, Web-services, SOA etc.
Tools to be Used	Rational Rose/RSA RAD/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB

	Linux will be the preferred OS.
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

Assignment 16

Project Scenario Detailed View	
Name of the Project	News That Matters
Objective/Vision	A national news paper agency wants to automate its customer facing services online (besides hard-copy version) and also want to facilitate a collaborative environment to geographically dispersed teams to make them more innovative and ahead of time.
User of the System	A. General public B. News reporters C. Script verifiers D. Administrators (Editors) E. Other users (if you think there is a need)
Functional Requirements	i. User A can subscribe for a free daily news paper and paid SMS based news services on desired section like business, sports etc. ii. User – A and B can also submit news, all kind of advertisements requests includes tenders, birthdays, marriage invite etc. iii. Registered User-A can also inform a crime, with sting operation video/audio, proof attachments that in-turn immediately sends a SMS to field reporter to cover that matter. iv. Facilitate communication between reporters, experts and general public through - Discussion forum/chat/mail/polls v. User C needs to proof read all send articles and finalize them for printing after getting approval from main editor(s). vi. News reporters are getting many rewards as per there performance on field and breaking news collection, that we need to evaluate and recognize in a separate section of site. vii. Administrators can grant and revoke various authorities to/from users. He also wants to view the activities of user(s) through logs.
Non-Functional Requirements	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 v. Uninterrupted mail and sms services.
Optional Features	 Java based client for User-B/C/D  Web-services based architecture to integrate other news agencies and TV channels  Customizable color scheme or skins
User Interface Priorities	A. Professional look and feel B. Use of AJAX atleast with all registration forms C. Use of Graphical tool like JASPER to show strategic data to admin D. Reports and news papers exportable in .XLS, .PDF or any other desirable format
Reports	A. Different levels of news collection reports like business, crime, sports, science and others B. News Reporters performance reports C. Circulation, market research reports D. One-page complete information to admins depends upon many relevant parameters.
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. That means, if I want to use this solution for a particular news agency or channel, least time should be taken to customize it.
Team Size (Maximum)	4
Technologies to be Used	J2EE, UML, XML, AJAX, Web 2.0, Web-services, SOA etc.

Tools to be Used	Rational Rose/RSA RAD/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 17

Project Scenario Detailed View	
Name of the Project	Online Project Management*
Objective/Vision	Create a complete, web-based enterprise project management application that helps organizations plan, execute and deliver on their entire portfolio of projects.
User of the System	A. Project participants B. Project Coordinators/Visitors C. Company/Others D. Project Management site webmasters
Functional Requirements	i. It must include a homepage containing a snapshot of all the projects under the user including the list of tasks, milestones, meetings, calendars and current developments in a tabular format. ii. Tasks: Assign multiple members to a task, set start/end dates & send email notifications and set interdependency between tasks. iii. Progress Charts: Weekly/Monthly progress chart tracking and reporting progress (Gantt Charts) iv. Document Sharing: Share and manage project related files centrally to ensure efficient group collaboration. Ability to view, edit, and share & save back documents directly from the browser without downloading. v. Forums: Forums for the project teams to openly interact and collaborate. Email notifications team forum posts. vi. Milestone: A database table to view Upcoming, Overdue & Completed Milestones and get to know each project's status, progress at any point of time. vii. Calendars: Work and Log Calendars which can also be exported as csv / xls format. viii. Keeping produced (selected) documents for review to selected users or public. ix. Site Admin facilities to add/view/edit different types of interactions/complaints x. Customize, tailor, brand and integrate its application xi. Online help, context sensitive, Online Demo
Non-Functional Requirements	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
Optional Features	a. Sync with offline Project Management Software b. Customization of interface c. Interoperability with other Project Management Software d. Gantt Charts and forecasting future trends in the project e. Calculate billable & non-billable hours spent on each task which can then be used for client billing
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
Reports	A. Different types of reports on daily, monthly, weekly, annual basis, date range and type of project development B. Report on the number of users C. Reports on feedback by the customer and new requirements(suggestions from customers) D. Reports for customer escalation

Other Important issues	A. High dependability/low downtime B. Website should be highly customizable and flexible enough to easily deploy.
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 18

Project Scenario Detailed View	
Name of the Project	Hotel NextGen
Objective/Vision	A Solution for Hotelier Group which can – *Manage Hotel and Hotel Locations Master Data *Manage Each Hotel's Room Inventory Master Data *Manage Each Hotel's Amenities Master Data *Manage Yearly/Seasonal Tariffs
User of the System	A. Hotelier Group's Management Staff B. Hotelier Group's Marketing Staff C. Downstream systems D. Hotelier Group's IT Management Staff
Functional Requirements	i. Creation of the necessary Users and Groups for the System ii. Ability to create and manage Hotelier Group Hotel Location Hierarchy iii. Ability to create and manage Room Inventory with the details of all the amenities in each room/room type iv. Ability to create and manage Hotel's amenities like Banquet Halls, Brand Shops, Restaurants, Coffee shops, Parking areas etc. v. Ability to associate Hotel Locations with Each Room / Hotel Amenity vi. Ability to create Country/State/City Taxonomy and associate it with vii. Ability to create Tariff plans thru and approval process and associate the same for Rooms/Room types and Hotel Amenities. This could also include fixing of Rents/Lease for rented spaces in the Hotel viii. Ability to provide necessary reports in CVS or Excel Format. ix. Ability to export Room Inventory Master Data in XML format for consumption by billing system via FTP(billing system is out of scope). Full export and delta export capabilities would be needed
Non-Functional Requirements	i. Role based System functions access ii. Approval Process has to be defined iii. Modular customization components so that they can be reused across the implementation iv. Full exports to Billing System should be completed in less than 15 min. v. Delta exports to Billing System should be completed in less than 5 min. vi. Ability to move customizations from Development Instance to Production Instance (Assumption will that there will be approximately 4000 rooms in total and 200 Hotel level amenity entries).
Optional Features	- Tabbed Data Entry Screens(the Product to be used supports this through configuration changes) - Email Notifications for Report Generation and Data Export Errors.
User Interface Priorities	A. Professional look and feel B. Use of AJAX atleast with all registration forms C. Use of Graphical tool like JASPER to show strategic data to admin D. Reports exportable in .XLS, .PDF or any other desirable format
Reports	A. Search Builders are provided by the product hence there are no further requirements on searches. However the Reports needed could be based on saved searches if needed B. Country/State wise Room / Room type and Rented Areas Tariff Report in CSV or Excel Format
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. That means, if I want to use this solution for a particular

	Hotel or Resort, least time should be taken to customize it.
Team Size (Maximum)	4
Technologies to be Used	J2EE, UML, XML, AJAX, Web 2.0, Web-services, SOA etc.
Tools to be Used	Rational Rose/RSA RAD/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 19

Project Scenario Detailed View	
Name of the Project	Smart Gadget – Online Monitoring System*
Objective/Vision	Vision is to provide an online monitoring system to the users to manage all their smart gadgets (I Pods, mobile phone, pen drive etc) through a single interface by establishing a direct bridge between product and manufacturer via our remote server. Main idea involved here is to make use of online service (monitoring tool) that can automatically scan electronic gadgets for any hardware or software defect as the product is brought online. It will then make a log of errors, report it to the manufacturer and provide feasible solution back to customer. The application will also be useful in case of theft by tracking down unauthorized use of gadget. It can also be used as a platform where users can find solutions to all other problems pertaining to their gadgets and manufacturer may showcase their various products and provide service in better way.
User of the System	A. manufacturers (smart gadgets) B. customers C. service providers
Functional Requirements	i. Creating user account for customer to monitor product functionality ii. Automatic Scanning of product for defects iii. Reporting of defects to manufacturers iv. Providing the solution back to customer through auto-generated email v. In case of theft , stolen product can be tracked vi. Maintains database of all information pertaining to the gadget vii. Provides users single interface to monitor his different gadgets. viii. Makes it very easy for service providers to be in contact with users and provide them all the necessary details ix. User can get all the relevant updates for his different products through single interface.
Non-Functional Requirements	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 .
Optional Features	a. Manufacturers can showcase their new products/offers through this portal b. Java based clients for user A & C
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
Reports	A. log of details, each time the device is plugged in to computer B. details of all the gadgets available with the customers C. details of all the customers D.log of all the defects detected in device
Other Important issues	1. Web application should be highly optimized and easy to use. 2. Application should be scalable (considering future prospects)
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE

	DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 20

Project Scenario Detailed View	
Name of the Project	Stock and Portfolio Management Solution*
Objective/Vision	A solution that not only caters to the need of a Stock Broking firm but is also scalable without compromising on performance.
User of the System	A. Stock Agent/Broker B. Customers (who buys stocks) C. Management
Functional Requirements	i. Brokers should have access restricted to the portfolio it is taking care of. ii. Customers should have remote access. And should be able to conserve and place request online. An audit trail should be maintained of it. iii. A sub-system for brokers to execute customers' requests and orders. iv. Customers should be notified automatically on execution of their requests and orders. A sub-system should be available to customers to track the status. And a way to escalate to management in case of grievances. v. Management and Customers should have access to various reports. The access to reports should be role based. vi. System should provide a REST service to current stock prices vii. Management should be able to use reporting solutions like BIRT to create custom reports. viii. Because the market rules change quite often, the system parameters like commission charges, TDS, should be configurable by management. However, brokers should be able to extend discounts to their customers.
Non-Functional Requirements	i. Secure access of confidential data (user's details). SSL can be used. ii. 24 X 7 availability. 99.9% Uptime during business hours. It should mitigate system failure risks. iii. Better component design to get better performance at peak time iv. Flexible service based architecture will be highly desirable for future extension v. High Scalability. The solution should be able to accommodate high number of customers and brokers. Both may be geographically distributed.
Optional Features	a. Context Sensitive Help b. Auto-generated Reports sent by e-mail c. Backup and Restore of system data
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
Reports	A. Customer Reports: Portfolio status report, Stock performance report, Order/Request History Reports B. Broker Reports: Portfolio Status Report, Order and Request report by status. C. Management Reports: Broker Performance Report, Income Report D. Custom Reports
Other Important issues	A. Customers will need a secure web access. B. Brokers too should be able to carry out important business remotely.
Team Size (Maximum)	4

Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 21

Project Scenario Detailed View	
Name of the Project	TGMC - Next Year
Objective/Vision	Looking for an online comprehensive solution to manage the complete life-cycle of a national-level software project contest where students and faculties from all states and universities can participate.
User of the System	A. Team members (Students/faculties) B. E-Mentors (Industrialists or academicians those want to help teams in project completion) C. Administrators (IBM team)
Functional Requirements	i. Secure registration and profile management facilities for Team/students/faculties ii. Tracking team's progress. SRS and project submission and feedbacks. iii. Facilitate communication - Discussion forum/chat/mail iv. Help book for participants/Timely instructions to students on mail/sms v. Training and software requests and their management vi. Uploading results, tutorials, or instructions vii. Strategic data and graphs for admin and college / university authority viii. Basic and advance admin facilities like add/update E-mentors, backup/recovery of data, generating various reports etc.
Non-Functional Requirements	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
Optional Features	- Java based client for Administrator - Resume maker for students - Customizable color scheme or skins
User Interface Priorities	A. Professional look and feel B. Use of AJAX atleast with all registration forms C. Use of Graphical tool like JASPER to show strategic data to admin D. Reports exportable in .XLS, .PDF or any other desirable format
Reports	A. State wise/University wise/College wise and scenario wise participation number and lists B. Team wise, location wise, technology wise students and faculty list C. Teams- submitted SRS and/or projects D. mentors list, trainings happened etc. etc.
Other Important issues	Website should be highly customizable and flexible enough to easily deploy. That means, if I want to use this solution for Software project contest organized by my own university, least time should be taken to customize it.
Team Size (Maximum)	4
Technologies to be Used	J2EE, UML, XML, AJAX, Web 2.0, Web-services, SOA etc.
Tools to be Used	Rational Rose/RSA RAD/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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

Assignment 22

Project Scenario Detailed View	
Name of the Project	Virtual Classroom System*
Objective/Vision	Developing a virtual classroom system to promote a greater count of students to splurge into the field of Education. It integrates the benefits of a physical classroom with the convenience of a 'no-physical-bar' virtual learning environment, minus the commuting hazards and expenses. It will usher in the immense flexibility and sophistication in the existing learning platform structures, with the perfect blend of synchronous and asynchronous interaction. It provides a means of collaborative learning for the students.
User of the System	A. Students B. Faculty C. College Management (Dean, HODs, Principal) D. Administrator
Functional Requirements	i.Students can choose courses, attend lectures, take exams, view their attendance records, progress reports etc as per their convenience. ii.Registration for multiple courses. iii.Attend lectures either at the scheduled time or on request view lecture at a later time. iv.Faculties can take lectures, upload assignments, announcements, evaluate answer sheets and also can upload lectures and other discussions in various formats as in videos, power point presentation etc. v.Upload and Download of various assignments, college notices, student's notices, journals, videos. vi.Real Time collaboration among – A/B via chat rooms, shared and interactive whiteboards. vii.Asynchronous communication in the form of Emails, discussion boards that enable communication to occur at "convenient-times" that suit student schedules and are not accessed at simultaneous or prearranged times. viii.There can be forums, blogs etc to discuss various queries and to put up suggestions posted both by students and teachers. ix.Administrator can generate reports, log files, backup/recovery of data at any time. x.Shared documents and media library that can help in active learning of a student. xi.Images library xii.One-to-Many (B->A), Many-to-One(A->B) and Many-to-Many (B->B) information sharing. xiii.Availability of voice mail box to allow faculties to get the descriptive messages left by the students. xiv.Per day attendance submission system xv.Provision of resources to arouse the interest of students in extracurricular activities like public speaking etc and to grasp the chance to enhance their personalities. xvi.Users must have valid User ID and password to login thus creating their individual profiles. xvii.Students can take up various quizzes which can help them to realize their inbuilt talents in various fields.
Non-Functional Requirements	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

Optional Features	a. Send SMS/Email to any user in case of any class Re-Schedule, Result declaration, Notice Upload etc. b. Drag and Drop functionality. c. Customizable color schemes and skins.
User Interface Priorities	A. Professional look and feel B. Use of AJAX at least with all registration forms C. Browser testing and support for IE, NN, Mozzila, 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
Reports	A. Time based and on request Attendance records. B. Students Progress Report on request . C. Faculty performance reports.
Other Important issues	A. Website must be highly customizable and user friendly. B. Security should be kept a high priority issue.
Team Size (Maximum)	4
Technologies to be Used	UML, J2EE, XML, AJAX, Web 2.0, Web-services, SOA
Tools to be Used	RAD/ROSE/RSA/Eclipse/WSAD/ WebSphere Portal WAS/WAS CE DB2 Express – 'C' or DB2 UDB Linux will be the preferred OS.
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