Project/ scenario name:	E – Healthcare Advisor
Custom scenario description:	The main objective of this project is to implement a computer based Healthcare Information System. This system will help the users to identify certain diseases by answering certain questions asked by the system. Based on the diagnose received the user will be getting some suggestion of medicines that are available at the local chemist without prescription with an advice to visit the doctor. The system once ready should be able to train itself with the feedback given to it (Artificial Intelligence). The database will be developed with open source software.
Objective/ vision:	*To conduct a diagnose in order to identify the disease *To design a healthcare management system *To maintain patient history and system keep self learning(artificial intelligence) to update the database .
Users of the system:	A. Patients B. Non members C. Administrator
Functional requirements (include at least 8):	i. It focused on the acquisition and management of disease database ii. It mainly emphasized creation and implementation of patient and disease management information system. iii. It will ease and speed up the planning decision making process process, secure confidential and reliable reports iv. It help for addressing problems of security secrecy and confidentially of patients. v. Used to check the delays errors inconsistencies in medical records and access to historical records vi. To maintain patient profile
Non-functional requirements (include at least 4):	i. Secure access of confidential data. ii. User friendly UI for easy interface, so that illiterate patients can also use it. iii. Execution qualities such as security which are observable at run time iv. Execution qualities like such as testability ,maintainability and scalability which are embedded in the architecture of the software system
Optional features:	a. It is very smart in giving options for choosing genric and non-genric medicines where available. b. It also include option to read diagnose of a similar disease treated by the doctor using the same medicine.
User interface priorities:	A. Professional look and feel B. Use of XFORMS atleast with all registration forms C. Browser testing and support for IE,NW, Mozila & firefox D. Use of graphical tool like JASPER to show strategic data to admin E. Reports exportable in XLS,PDF or any other any desirable format
Reports:	A. Search the name, place, disease, periodic base reports B. Search the nearest government approved Clinic/Hospital and suggest it to

the patient.

Other important issues:	Website should be highly customizable and and flexible enough to easily deploy
Technologies to be used:	UML,J2EE,PUREXML,e-form,x-form,AJAX
Tools to be used:	1.Eclipse/RAD/Lotus form s Designer/Portlet Factory 2.DB2 Express Cor DB2 UDB 3.Tivoli CDP /TSM/Tivoli Directory Server 4.Linux will be the preferred OS
Team size	2 – 4 students
Final deliverable must include:	1. Online or offline help to above said users, Application development executive and developer 2. Application archive (.war/.ear) with source code 3. Database backup and DDL Script 4. Complete Source code