Library management system - Project Scenario

1.	Name of the Project	Library Management System
2.	Objective/ Vision	To maintain a web-based application that allows users to Issue books or e books from the website.
3.	Users of the System	i. Admin ii. Users
4.	Functional Requirements	i. Users can create an account and then login anytime. ii. Account will be managed by admin. iii. Users can select books from the various options. iv. Users can then issue the book. v. System will display the total amount vi. User can choose mode of payment and then pay accordingly vii. If users choose e-book, then they can start reading it and if they choose book, then they can go to the library and collect it. viii. Once the time limit is up, the e-book will no longer be accessible and if the user is late in returning the book, a fine will be imposed.
5.	Non-functional requirements	i. Secure access of confidential data ii. 24 X 7 availability iii. Good condition of the books and good quality of e books iv. A book can be issued more than one time
6.	Optional features	i. Sending details of purchases through E-mails or message ii. Users will not be able to take screenshot or download the e book. iii. Linking the various payment options on our website iv. There will be a chatbot to help the users.
7.	User interface priorities	i. Professional look and feel. ii. Use of AJAX at least with all registration forms iii. Browser testing and support for IE, NN, Mozilla, and Firefox.

		iv. Use of Graphical tool like JASPER to show strategic data toadmin v. Reports exportable in .XLS, .PDF or any other desirable format
8.	**Reports**	**i. System will generate Monthly Reports of the books issued by the user**
9.	**Other important issues**	i. **Report changes in the choice of books if any.** ii. **Copyright would result in legal actions.**
10.	**Technologies to be used**	**UML, J2EE, XML, AJAX, Spring, Struts, Hibernate.**
11.	**Tools to be Used**	i. **ROSE/RSA / WebSphere Modeler** ii. **Eclipse/ RAD / Lotus Forms Designer / Portlet Factory**
12.	**Final Deliverable must include**	i. **Online or offline help to above said users, Application deployment executive and developer** ii. **Application archive (.war/.ear) with source code** iii. **Database backup and DDL Script** iv. **Complete Source code**