Resilience - Manage Prisons Project Scenario

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	Super User Gate Keeper Jail admin Data Manager Police officers Government officials
Functional Requirements	• **Nominal Roll:** The details of the prisoner and his/her demographic details are captured. A digital photo comprising different views of the prisoner and the list of articles surrendered by prisoner during nominal roll are 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. • **Diary generator:** This report 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 considering the reduction of sentence length due to various considerations. • **Parole register:** This module 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 are 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 include provisions for recording the prisoners sent to courts for hearing. • **Fund reports:** This maintains allotted and routine accounting transactions •Implementation of basic and advance admin facilities like add/update users, backup/recovery of data, generating various reports etc. are done

Non-Functional Requirements	SSL is used for Secure access of confidential data 24 X 7 availability Better component design to get better performance at peak time Flexible service based architecture will be highly desirable for future extension
Optional Features	Java based client for Super User and Data Manager to reduce network traffic. Help-pages of the application in the form of Q&A
User Interface Priorities	Professional look and feel Used AJAX in the whole application Browser testing and support for Mozilla Firefox., Google Chrome, IE and NN Used Graphical tool like JASPER to show strategic data to Jail admin and common user Reports exportable in .PDF format and can be download for offline use. JQuery of web 2.0 has been used for Pluggable Look and Feel (PLAF)
Reports	Various status reports and demographical analysis reports are generated. All necessary search and reports on above said registers. Strategic graphs along with reports for admin
Other Important issues	Website should be highly customizable and flexible enough to easily deploy without much effort.
Technologies Used	UML, J2EE, XML, AJAX, Web 2.0, EJB 3.0, JQuery, etc
Tools to be Used	J2EE – Application architecture Java Swing – Application Program RAD 7.5 – Development tool WAS 6.1 - Web Server DB2 9.0– Database Rational Software Modeler – Design tool
Final Deliverable's Includes	Online or offline help to above said users, Application deployment executive and developer Application archive (.war/.ear) with source code Database backup and DDL Script Complete Source code