

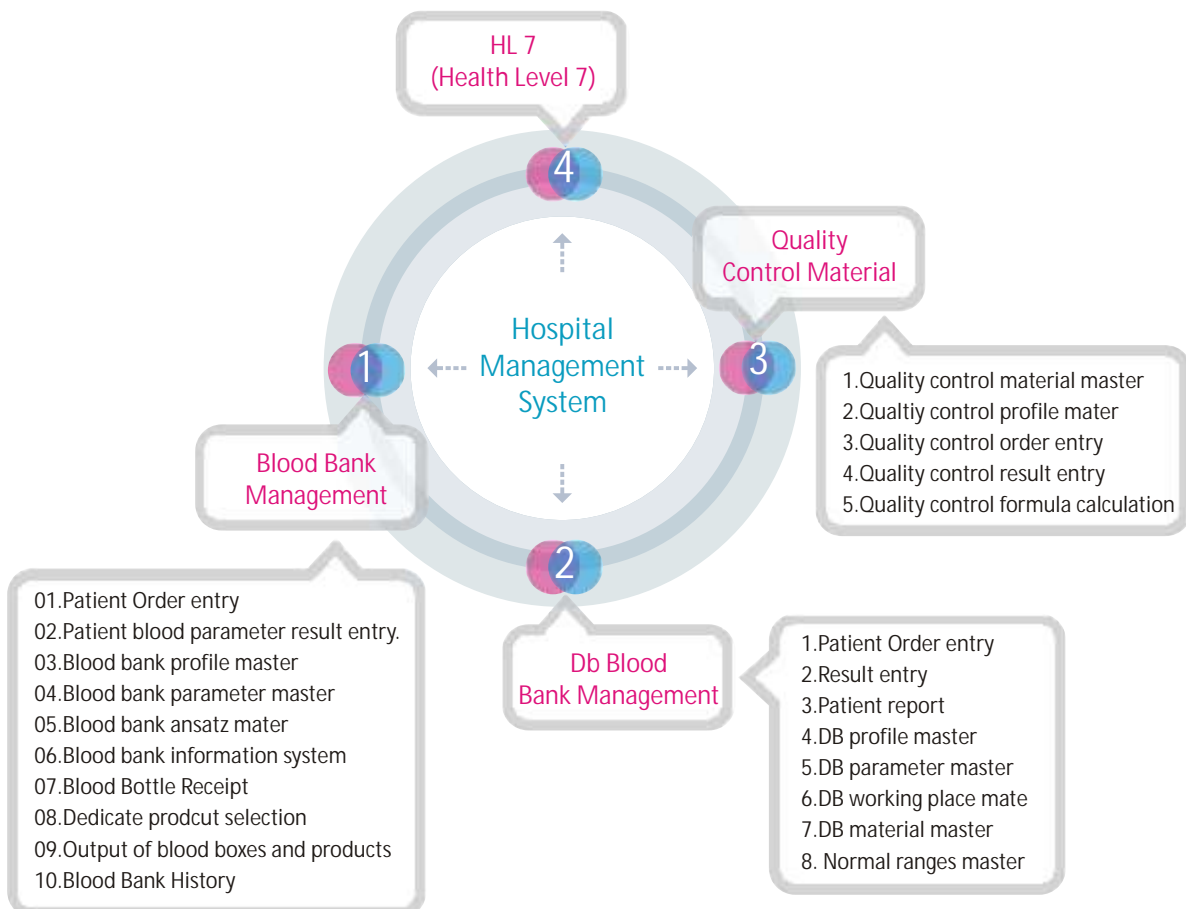
## Hospital Management System

Project Name :	Hospital Management System
Client :	Lab Lizard Inc. (Germany)
<b>Technologies</b>	
Platform:	JAVA/J2EE
Framework:	Spring 2.0
Database:	Sybase, MySql 5.x with Hibernate 3.0 connectivity
Web Server:	Tomcat 5.5.x
Presentation:	JSP, JSTL, JavaScript, Ajax, JQuery

### ☑ Description

Entry in the hospital management system is done through system users. Master form for users is used to create user profile. Whole system is display in user's selected language. For example if user knows germany then whole hospital management system is display in german language after login.

Above all fore modules are related to patient. So when patient is admit then patient information is enter from patient entry form like patient name, patient initial, patient sex, patient birth date, blood group, patient ID, case no. This system is mainly divided in to 4 modules.



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### Blood bank management

The first process in this module is to receive blood bottle to inventory from blood bottle receipt form for ex: plasma this is the type of blood bottle. From this interface whole the information regarding blood bottle is entered like unique product no, product name, production date, donation date, expiry date, storage location and product status.

Patient needs blood bank parameters and blood bottle this order is entered through patient order entry form. Results of blood bank parameters are entered through blood group result form. Allocation of blood bottle to particular patient is through from dedicated product form. To verification of allocated blood bottle is done by doctors from output of blood boxes and products form.

All the history of Blood bottle including allocated bottles and bottles status is viewed from Blood bottle history form

### DB Blood bank management

Patient also need other parameters also like DB parameters. For create order with DB parameters Patient order entry form is used, and value of all this parameters are entered from result entry all this results are must be in given normal ranges and normal ranges is defined from normal ranges form. The other forms are master form to create a profile of selected parameters.

### Quality control material

This module is related to only materials only. Quality control material master form is used as a master form to enter various materials. Quality control profile master form is used to create a QK profile form selected materials. Order for this material are done through Quality control order entry form and results are entered through Quality control result entry form. There are various formula calculations are needed this is achieved through interface named Quality control formula calculation form.

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### HL 7 (Health Level 7)

There is also module HL7 (Health Level 7) implemented in client server architecture. There are different HL7 events implemented describe below.

#### HL 7 Events :

- 1.ADT A01 (ADMIT A PATIENT),
- 2.ADT A02 (TRANSFER A PATIENT),
- 3.ADT A03 (DISCHARGE A PATIENT)
- 4.ADT A04 (REGISTER A PATIENT),
- 5.ADT A05 (PREADMIT A PATIENT),
- 6.ADT A06 (TRANSFER AN OUTPATIENT TO INPATIENT),
- 7.ADT A07 (TRANSFER AN INPATIENT TO OUTPATIENT),
- 8.ADT A08 (PREADMIT A PATIENT),
- 9.ADT A11 (CANCEL ADMIT),
- 10.ADT A12 (CANCEL TRANSFER),
- 11.ADT A13 (CANCEL DISCHARGE)
- 12.ADT A28 (ADD PERSON INFORMATION),
- ORU R01 (HL7 Patient Report)

### Printing reports and charts

This is the general form for printing various patient, blood bank reports and charts. We can also generate barcode stickers too. All types of charts and graphs are supported