



## REQUIREMENT SPECIFICATION

<b>Project Code:</b>	OCS-01
<b>Project Name:</b>	Online Clinic System
<b>Account:</b>	
<b>Vertical:</b>	
<b>Location:</b>	ABC Development Center
<b>Customer Name:</b>	XYZ Clinic
<b>Technical Manager/ Email ID:</b>	
<b>Project Manager / Email ID:</b>	
<b>Quality Co-ordinator / Email ID:</b>	
<b>Customer Contact Information:</b>	

### Revision History

Version (x.yy)	Date of Revision	Description of Change	Reason for Change	Affected Sections	Approved By
1.00	19-Sep-2011	Initial Draft			
2.10	Sept-2013	Revision	Mapping with CPC Tool		
2.20	Nov-2013	Revision	Aligning with UCF		

### Affected Groups

Development Engineering
Quality Assurance
XYZ Clinic

### List of Reference Documents

Name	Version No.
1. Request For Proposal	1.1
2.	
3.	
4.	

Prepared by/Date

Reviewed by/Date

Approved by/Date

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# 1 Introduction

XYZ Clinic provides health service facilities to patients across many cities.

XYZ Clinic plans to develop "Online Clinic System" - a standalone/Web application [Core Java Batches - Swing Application; J2EE Batches - Web Application] where a patient can fix up an appointment with a Doctor over the network, record his/her ailments and choose a Specialized Doctor depending on his/her ailments or health complaints.

## Scope and Overview:

The scope of the Online Clinic System (OCS) will be to provide the functionality as described below. The system will be developed on a Windows operating system using Java/J2EE.

# 2 Functional Requirements

The users of the 'Online Clinic System' are:

1. Administrator – Add/Edit/Delete/View doctor details and suggest a doctor to patients.
2. Reporter - Intimate the administrator about doctors who are on leave.
3. Patient – View/Fix an appointment with a doctor.

Below sections 2.1 & 2.2 indicates application specific requirements; section 2.3 to 2.4 indicates requirements which are specific to particular types of users.

Please note that, against each requirement priority levels are indicated, where P1 indicates higher priority and P2 is referred as lower priority.

## 2.1 Authentication & Authorization

All users must be able to perform login and change password.

Requirement ID	Description	Priority
AA-001	All users (Administrator, Reporter & Patient) logging into the OCS application should be authenticated using a unique login-id and password (operations to be supported based on type of user)	P1
AA-002	All users should be able to change their password	P2

## 2.2 Exit handlers

All users must be able to successfully exit from the application.

Requirement ID	Description	Priority
EX-001	The application should handle logout (close all open database connections, invalidate sessions, etc)	P1

## 2.3 Administrator

Administrator must be able to perform the below mentioned functionalities.

Requirement ID	Description	Priority
AD-001	The admin should be able to add doctor details	P1
AD-002	The admin should be able to delete doctor details	P1
AD-003	The admin should be able to view doctor details	P1
AD-004	The admin should be able to modify doctor details	P2
AD-005	The admin should be able to suggest patient with an alternate doctor (in case the previous doctor is unavailable after fixing an appointment)	P1
AD-006	The admin should be able to see the list of patients fixed for appointments on selected Date	P1

## 2.4 Reporter

A Reporter must be able to perform the below mentioned functionalities.

Requirement ID	Description	Priority
RE-001	The reporter should be able to see the availability of doctors on a given date.	P1
RE-001	The reporter should be able to intimate the admin, about the doctors who are on leave after fixing the appointment	P1

## 2.5 Patient

Patient must be able to perform the below mentioned functionalities.

Requirement ID	Description	Priority
US-001	The customer should be able to sign up for membership with "Online Clinic"	P1
US-002	The customer should be able to Create/view his/her ailment details	P1
US-003	The customer should be able to modify his/her ailment details	P1
US-004	The customer should be able to view appointment details of a particular doctor on a particular day	P1
US-005	The customer should be able to view doctor list based on specialization	P2
US-006	The customer should be able to request for an appointment with an available doctor	P1

# 3 Interface Requirements

The Online Clinic System should be developed as a GUI application using Java Swings [Core Java Batches] or a Web Application using HTML/JSP screens with struts/spring framework [BC3 Batches - Spring Framework; Others - Struts Framework].

# 4 Non-functional Requirements

- The application should be intuitive to use and easy-to-maintain
- Designer/Programmer need to consider suitable conditions/constraints and assumptions<sup>1</sup>
- The application should be able to handle simultaneous requests from multiple clients
- Upon installation, the administrator and the reporter are expected to have default UserID and Passwords.
- The system may force the administrator and the reporter to change their password to a non-default one, upon initial login

### Target Environment:

- Intel hardware machine (PC P4-2.26 GHz, 512 MB RAM, 40 GB HDD)
- Windows Operating System
- Server – Apache Tomcat 6 or higher
- Database – Oracle 9i or higher
- JRE 1.6 or higher
- Eclipse IDE

<sup>1</sup> RLL Facilitator need to clarify on assumptions if required beyond indicated in section 5

## 5 Assumptions/Dependencies/Limitations

- The scope of the application is limited to only one clinic.
- Each patient will hold only one Appointment ID for one successful appointment.
- The reporters are assumed to be already registered with the system.
- Doctor is fixed by the admin based on the availability of a doctor. Every appointment should be of 15mins duration.
- Doctors may attend patients from 9am to 12pm and from 2pm to 5pm.

## 6 Acceptance Criteria

The acceptance criteria will be defined in Acceptance Test Plan.

### List of expected deliverables:

- Use Cases definitions document
- Test Case documents (with test results)
- Tested source code
- Tested unit test code
- File based WiproStyle report

## 7 Requirements Priority Table

Explains the importance of Priority

Abbreviation	Remark
P1	First Priority (Priorities have been specified along with the requirements)
P2	Second Priority (Priorities have been specified along with the requirements)

## 8 Acronyms and Glossary

Acronym and glossary for this document mentioned in the below table.

Abbreviation	Remark
OCS	Online Clinic System
GUI	Graphical User Interface