WIPRO
Applying Thought

REQUIREMENT SPECIFICATION

Project Code:	SRS-01
Project Name:	Ship Reservation System
Account:	
Vertical:	
Location:	ABC Development Center
Customer Name:	XYZ Sea Travels Ltd.
Technical Manager/ Email ID:	
Project Manager / Email ID:	
Quality Co-ordinator / Email ID:	
Customer Contact Information:	

Revision History

Version (x.yy)	Date of Revision	Description of Change	Reason for Change	Affected Sections	Approved By
1.00	13-Aug-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 Sea Travels Ltd.

List of Reference Documents

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

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Prepared by/Date   **Reviewed by/Date**   **Approved by/Date**

Table of Contents

1 Introduction

XYZ Sea Travels Ltd. provides sea travel services to users (Customers) across the globe.

XYZ Sea Travels Ltd plans to develop "Ship Reservation System" - standalone/web application [Core Java Batches - Swing Application; J2EE Batches - Web Application], where users (Customers) can reserve ship tickets and manage their reservations.

Scope and Overview:
The scope of the Ship Reservation System (SRS) 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 'Ship Reservation System' are:
1. Administrator – Add/Edit/Delete/View Ship, Route and Schedule details.
2. Customer – Reserve Ship Tickets and Manage Reservations Online.

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 & Customer) logging into the SRS 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 ship details	P1
AD-002	The admin should be able to delete ship details	P1
AD-003	The admin should be able to view ship details	P1
AD-004	The admin should be able to modify ship details	P1
AD-005	The admin should be able to add ship route details	P1
AD-006	The admin should be able to delete ship route details	P2
AD-007	The admin should be able to view ship route details	P2
AD-008	The admin should be able to modify ship route details	P2
AD-009	The admin should be able to add schedule details	P1
AD-010	The admin should be able to delete schedule details	P2

AD-011	The admin should be able to view schedule details	P2
AD-012	The admin should be able to modify schedule details	P2
AD-013	The admin should be able to view details of passengers traveling on a particular ship on a particular date	P1

2.4 Customer

The customer must be able to perform the below mentioned functionalities.

Requirement ID	Description	Priority
US-001	The user should be able to register to 'Ship Reservation System'	P1
US-002	The user should be able to view ship/schedule details by source and destination	P1
US-003	The user should be able to reserve his/her ship tickets by making payment online	P1
US-004	The user should be able to cancel his/her ship tickets	P2
US-005	The user should be able to view his/her e-ticket	P1
US-006	The user should be able to print his/her e-ticket	P2

3 Interface Requirements

The Ship Reservation 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[1]
- The application should be able to handle simultaneous requests from multiple clients
- Upon installation, the administrator is expected to have default UserID and Password
- The system may force the administrator to change his/her password to a non-default one, upon initial login
- Upon installation, the application is expected to have a default 'CreditCardDetails' table with the credit card details of users (minimum 10 entries)

   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

5 Assumptions/Dependencies/Limitations

- The administrator can set the schedule for the ships on a <mark>weekly</mark> basis.
- The scope of the application is limited to only one country.
- The seats are assumed to be of one type (Non-AC) only.
- Booking of ships to be done one way
- Seat availability to be updated upon reservation/cancellation of tickets.

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[1] RLL Facilitator need to clarify on assumptions if required beyond indicated in section 5

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
SRS	Ship Reservation System
GUI	Graphical User Interface