REQUIREMENT SPECIFICATION

Project Code:	ATA-01
Project Name:	Automation of Travel Agency
Account:	
Vertical:	
Location:	ABC Development Center
Customer Name:	XYZ 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	20-Sep-2011	Initial Draft			
2.10	Sept-2013	Revision	Mapping with CPC Tool		
2.20	Dec-2013	Revision	Aligning with UCF		

Affected Groups

Development Engineering
Quality Assurance
XYZ 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 Travels Ltd. provides vehicle booking facilities to users (Customers) across many cities.

XYZ Travels Ltd. plans to develop "Automation of Travel Agency" - standalone/web application [Core Java Batches - Swing Application; J2EE Batches - Web Application], where users (Customers) can reserve vehicles and manage their reservations.

Scope and Overview:
The scope of the Automation of Travel Agency (ATA) 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 'Automation of Travel Agency' are:
1. Administrator – Add/Edit/Delete/View Driver, Vehicle and Route details.
2. Customer – Reserve vehicle online and manage reservations.

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 ATA 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 vehicle details	P1
AD-002	The admin should be able to delete vehicle details	P1
AD-003	The admin should be able to view vehicle details	P2
AD-004	The admin should be able to modify vehicle details	P1
AD-005	The admin should be able to add route details	P1
AD-006	The admin should be able to delete route details	P2
AD-007	The admin should be able to view route details	P2
AD-008	The admin should be able to modify route details	P2
AD-009	The admin should be able to add driver details	P1
AD-010	The admin should be able to delete driver details	P2

AD-011	The admin should be able to modify driver details	P2
AD-012	The admin should be able to allot driver to a booking performed by customer	P1
AD-013	The admin should be able to view details of customers who availed the bookings by journey date/route	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 'Automation of Travel Agency'	P1
US-002	The user should be able to view vehicle/route details	P1
US-003	The user should be able to book vehicle by making payment online	P1
US-004	The user should be able to cancel booking	P2
US-005	The user should be able to view booked status and print booking details	P2

3 Interface Requirements

The Automation of Travel Agency 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 scope of the application is limited to an agency which avails only cabs.
- Fare per km for AC and Non-AC will be fixed by admin
- The allotment of driver will be based on availability.
- The customer can not choose driver while booking vehicle
- Hourly booking is not permitted.

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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 IntStyle 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
ATA	Automation of Travel Agency
GUI	Graphical User Interface