



## REQUIREMENT SPECIFICATION

<b>Project Code:</b>	e-Passport-01
<b>Project Name:</b>	e-Passport
<b>Account:</b>	
<b>Vertical:</b>	
<b>Location:</b>	Bangalore Development Center
<b>Customer Name:</b>	XYZ Passport Ltd
<b>Technical Manager/ Email ID:</b>	
<b>Project Manager / Email ID:</b>	
<b>Quality Co-ordinator / Email ID:</b>	
<b>Customer Contact Information:</b>	

---

Prepared by/Date

---

Reviewed by/Date

---

Approved by/Date



## Revision History

Version (x.yy)	Date of Revision	Description of Change	Reason for Change	Affected Sections	Approved By
1.00	31-May-2019	Initial Draft			

## Affected Groups

Development Engineering
Quality Assurance
XYZ Passport Ltd

## List of Reference Documents

Name	Version No.
1. Request For Proposal	1.2
2.	
3.	
4.	



## Table of Contents

1	INTRODUCTION.....	4
2	FUNCTIONAL REQUIREMENTS.....	4
2.1	ADMINISTRATOR .....	4
2.2	USER .....	4
2.3	AUTHENTICATION & AUTHORIZATION.....	4
2.4	BUILD & INSTALL.....	4
2.5	EXIT HANDLERS .....	5
3	INTERFACE REQUIREMENTS.....	5
4	NON FUNCTIONAL REQUIREMENTS .....	5
5	ASSUMPTIONS/DEPENDENCIES/LIMITATIONS.....	5
6	REQUIREMENTS PRIORITY TABLE .....	5
7	ACRONYMS AND GLOSSARY .....	5



## 1 Introduction

XYZ Passport Ltd provides passport applying facilities to Indian citizens.

XYZ Passport Ltd plans to develop “e-Passport” - a web application wherein a user can apply for the passport online

### Scope and Overview:

The scope of the e-Passport will be to provide the functionality as described in Functional Requirements below. The system will be developed on a Windows 10 or Windows Server machine using ASP.NET, C#, SQL Server etc.

## 2 Functional Requirements

The users of the e-Passport are:

1. Administrator - Maintain passport office details, view/verify user details and update passport status
2. User - Apply passport online, Take appointment and View application form details

Below are the requirements specific to the types of users:

### 2.1 Administrator

Requirement ID	Description	Priority
AD-001	The admin should be able to add passport office details	P1
AD-002	The admin should be able to add appointment schedule details	P1
AD-003	The admin should be able to modify appointment schedule details	P2
AD-004	The admin should be able to view user information	P1
AD-005	The admin should be able to view user documents	P1
AD-006	The admin should be able to update passport status	P1

### 2.2 User

Requirement ID	Description	Priority
US-001	The user should be able to register e-passport	P1
US-002	The user should be able to fill and submit the application form	P1
US-003	The user should be able to view/print application form	P1
US-004	The user should be able to upload the supporting documents.	P1
US-005	The user should be able to request for appointment	P1
US-006	The user should be able to change appointment schedule.	P2

Below are other application specific requirements:

### 2.3 Authentication & Authorization

Requirement ID	Description	Priority
AA-001	All users logging into the system should be authenticated using a unique login-id and password (operations to be supported based on type of user)	P1

### 2.4 Build & Install

Requirement ID	Description	Priority
BI-001	The application should be built using Visual Studio 2017 or higher and deployed using IIS 7.0 or higher	P1



## 2.5 Exit handlers

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

## 3 Interface Requirements

The e-Passport system should be developed as a web application using MVC Razor view pages.

## 4 Non functional Requirements

- The application should be intuitive to use and easy-to-maintain
- The application should be able to handle simultaneous requests from multiple clients
- Upon installation, the Administrator is expected to have default User ID and Password
- The system may force the Administrator to change admin's password to a non default one, upon initial login

### Target Environment:

- Intel hardware machine (PC i5, 4 GB RAM, 500 GB HDD)
- Windows 10
- .NET Framework 4.6 or higher
- IIS 7.0 or higher
- Visual Studio 2017 or higher
- Database – SQL Server 2014 or higher

## 5 Assumptions/Dependencies/Limitations

- The scope of the application is limited to only one country
- The user will be able to register upon selecting passport office that falls under his/her jurisdiction
- Maximum number of changing appointment schedule is limited to 5
- The time slots are assumed to be common for all Passport office(**Time Slot 1- 8.00 am to 12 pm, Time Slot 2- 12.30 pm to 3.30 pm, Time Slot 3- 3.30 pm to 5.30 pm...**) and are fixed by admin

## 6 Requirements Priority Table

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

## 7 Acronyms and Glossary

Abbreviation	Remark
e-Passport	e-Passport