

## 12115378 K21SBA23SRS - SRS on online passport registration with DFD

Software Engineering (Lovely Professional University)

#### A Project Report On

#### **Online Passport Registration**

Case Study submitted in partial fulfilment of the requirements for the degree

of

#### BACHELORS OF TECHNOLOGY

In

#### COMPUTER SCIENCE AND ENGINEERING

Submitted by

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#### School of Computer Science and Engineering

Lovely Professional University Phagwara, Punjab (India) October 2022



# Software Requirementspecitication (SRS) FOR ONLYNE posspoot Registration.

prepared by Jotle Aralam under the guidan ce of Dr. hashit Arosq.

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1. Introduction:

+ 1.1 purpose:

present the details description of the online. passport Registration. it will explain the purpose and teatures of the system, the Entertace of the system, the Entertace of the system, that it must operate, this system is applicable for the hoil polici of the nation.

+1.2 Scope of this projestect:

The online passport registration have a web postal " passport india, govern" is a web based application which helps people apply their passport on the through government websites as passwort sera.

increasing penetration of internet, to lot of people in india have started going E-way to apply possiport. Forlier, a lot of people in india have started going E-way to apply the were thought of standing in long queue at the possiport office to fill the form used to gives titters but now the process is with simples.

11.3 Debinations:

Administrator! - Refers to Super wer who is the central Authority who has been wested with the privilege to manage the entire System. It can be only higher official in regression passport office of ministry it external affect is.

a Applicants !- one who wishes to optain the \* PAS !- Refers to this posseport Automation \* HTML: - Hyper tent franster protocol \* TCP/IP! - Transmission control protecol/inte protocol.

1.4 Reading Suggestions!

This sas is mainly developed for the project development teram. In this team there are the progest manager, seveloper, water & doccimentation writer & the bees of project.

User (Customer) This document is intended to user and customer to make ensure that the document sotisties the needs of customer.

T.2 Oneuniem !-

The remainder of this documents inan overview of the System functionality & System interactions with other systems. The chapter also intraduce various kinds of payments and applications process that are done in online pastport registration.

requirements and specifications in detailed terms descriptions of the system intestace, ditberent specification techniques are used in order to specify the requiremends.

The tourth chapter deals with prioritization of the requirements, it includes different stude of methods too.

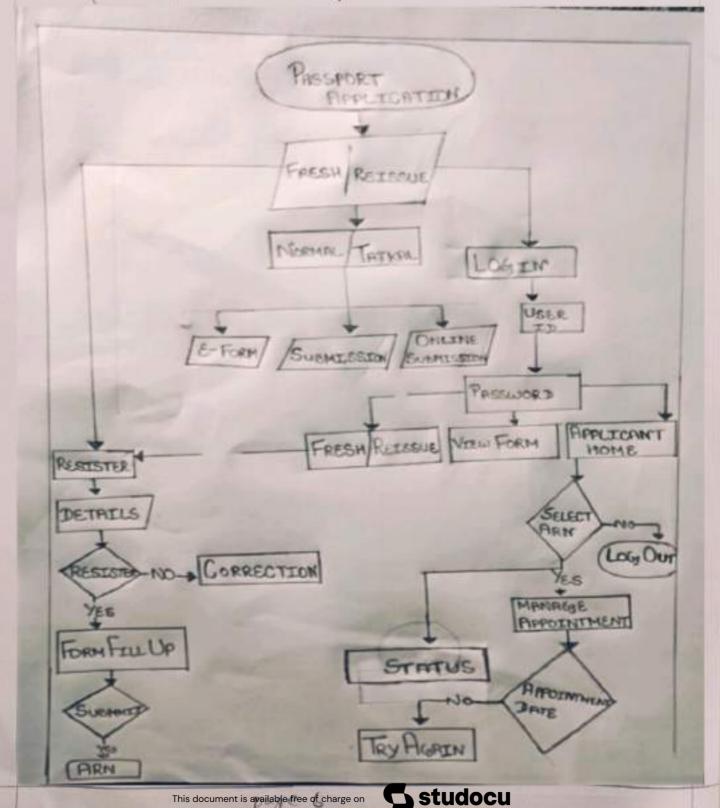
- 1.6. Reterences:
- \* http://www.strateshare.net/srs-bor-passport
- \* https://www.academia.edu
- \* https://www. studymode.com/lessays/srs-Foxpassport - 39807538.html
- \* https:// recttrockers. blogspot in |2011/01/passport-
- \* https:// www.nyc.edu/classes/ Job/922.2440-OOL-Sp07/ God handouts / Assignment & sample Solution. pdf

2. Overall Description

2.1 product prospective

This section will give overview of

the whole system that system will be explain
ed in the content to show how to apply the
passport in egistration betwee online through
a blow chart it also describbe the document
required that being submitted to government.



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2.1.1 User interface

\* Administrator !- Administrator has a special arght to add and approve the passport Status.

\* Applicant: - They are the people who desires to obtain the passpoot & submit the Intomation to the database.

A police !- he is the person who receives details about the applicants. A personal vertication of applicant and see it he is has any eminimal case against him/her before or parents. He as the power to decline the application by suggesting if to administrator it any case the power boute finds any difference the application can be cancelled. He communicates was view this pas.

21:2 Hardware Intertaces:

The server is directly

connected to the clients system the client system have on access to the distabase in the servers

2.1.3 Software interfaces !-

administrator on line intertace is built using JSP & HTML. The Administrators built using Jap built using Java.

application server (Started by Sum micro systems now sponsored by oracle tosporation)

\* Back End! - oracle database

2.1.4 operations! ALISEN Intentace !- Help Desk support System users have of 24x7 access to telephone assistance for questions that are feelinical in nature, such as, Stow or Stuggish System response -time, incompatible browser teatures, application errors, system downtime. Inquirtes, account lax out assistance, etc

\* Application service & technical support Application services & technical support programmers and applications developers will have deless to Source code to address bugs or system enhan cements as deemed necessary, network admini-Strator and BBA support is also required to maintain a 24x7 Systam uptime.

# Apministration features!-System security and access levels are provided in the online system. There are varying levels of System access and functional authority Each useds access is unified to his/her own registration reco rell. only authorized system administrator(s) has acress to an user application registration records.

\* System Hardware Fail! - computer operatfore center will brandle system handware takks such as data tape back-up, hardware maintenance, be fail over, scheduled system patches and maintenance.

2.2 product Function

\* Secure registration of intermation by applicants,

\* Schedule the applicants an appointment for totate manual resibration of the

This document is available free of charge on Studocu

- \* Mail and sms updates to applicants given by the administrator.
- \* postport Application Status is given by the administrator
- \* Administrator can generate the reports from the information only for the authorized personher and information is entered into database

2.3 User characteristics! -

\* Administrator - Administrator has a special oright to add and approve the passport status administrator has a boatload under him to verify the persons.

\* Applicant: - they are the people who desir es to obtain the passport and sumbi submit the inboomation to database.

2.4 Operating Environment!

	V	
posticulor	clients requirement	Sacrem
processes	INTELOT AMA	intel or AMD
operating windows / Limun/ System Android 1205	Window / Linux/	Linux
KALL	200mb	101518
Hard		2 78

Implementation constraints! \* the user have to be carrebut white submitte 2.5 ng his intermation. \* Applicants require of computer to submit

their Phormation

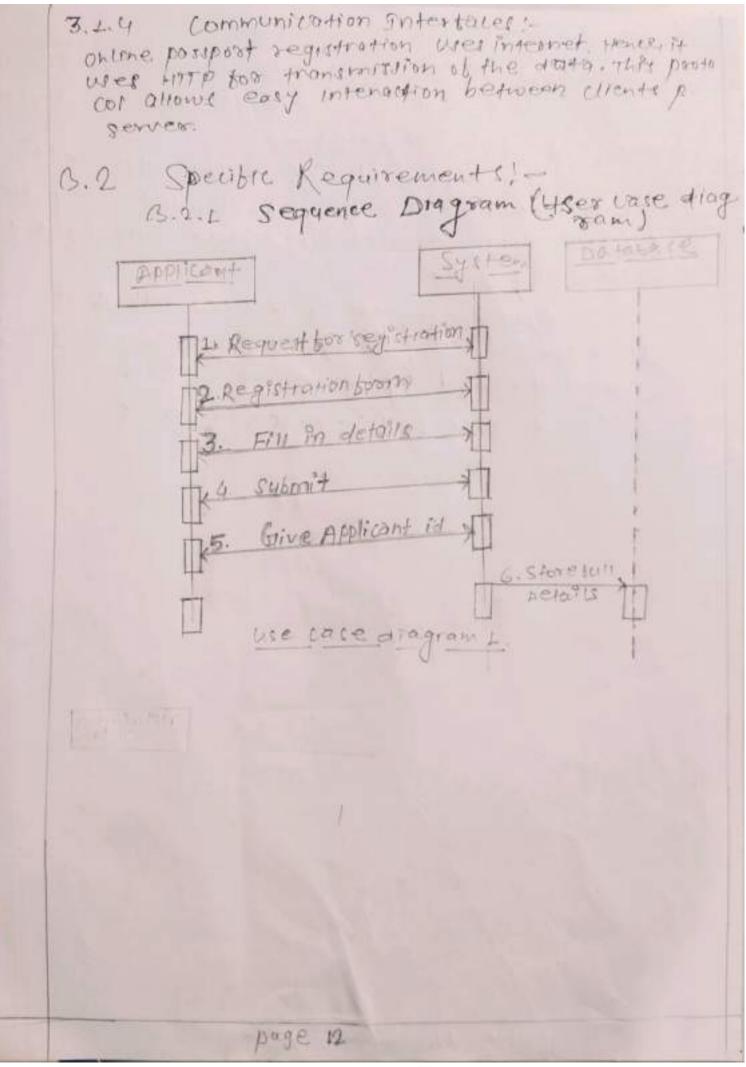
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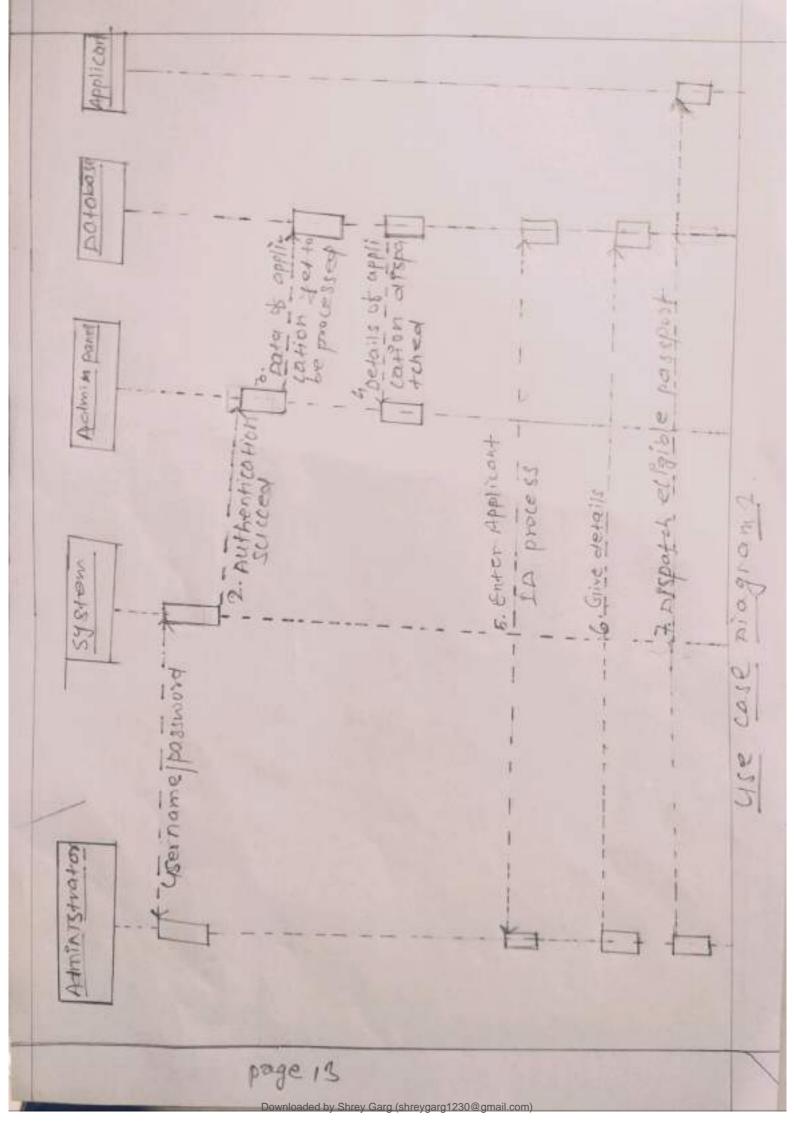
Constraints !-\* security is given higher importance, there is always or chance of taking action in the web & requires the constant morning. 1.6 Assumptions & dependencies -xthe applicants & administrator must have a basic themledge of English. \* the applicants & administrator must have a basic knowledge of usage of computer. \* Internet connection is must \* maintaining the dratabase in consistent way is important. \* proper browser should be installed. \* Each user must have a separate user id and passward. \* The required scanned documents of an applicants to be sent to the administratox it needed. Specific Requirements. O.L External interface requirements B.I.I user interface. A Administrator !- Administrator has a special eight to add and approve the passport Status Administrator has a boatlood under him verity the person. \* applicant ! - They are people having destres to submit the passport to adtabase. \* police !- He is the pearson who recei ves details about the applicants. page 16

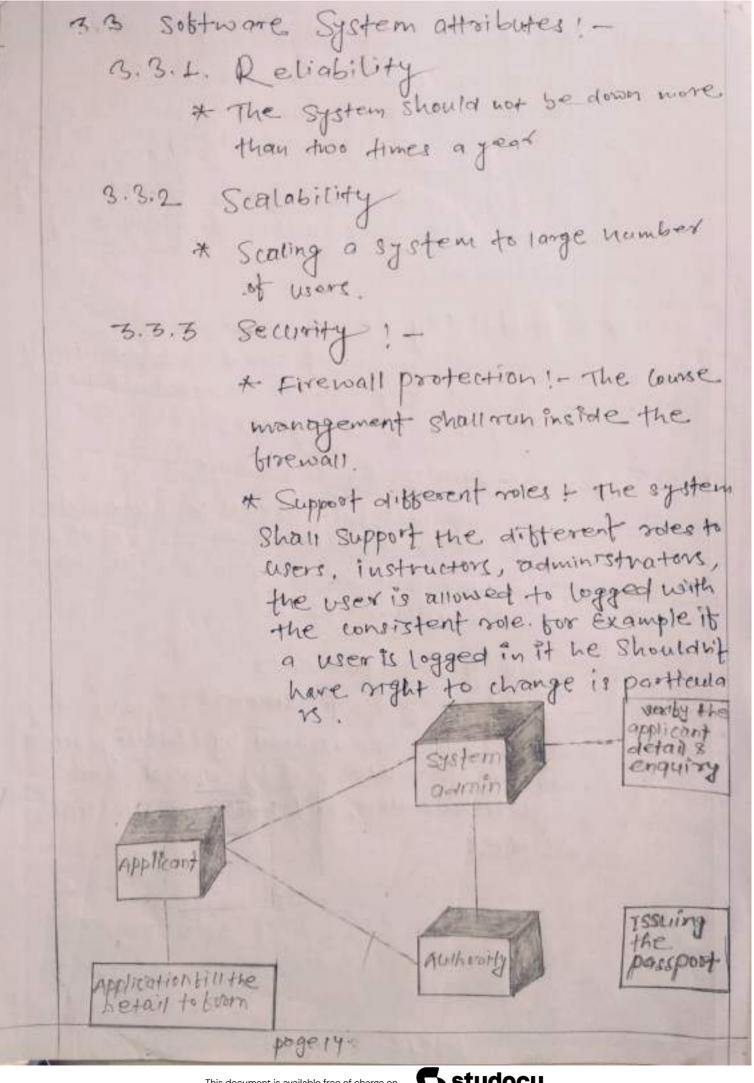
3.1.2 Handware interfaces !- The server is direct ly connected to the cliente system. The client systems have an occess to the dotabase in the server. B. L.3 Software interfaces! -\* Front End Clients: - The applicants 1 administrator outhe interface is built using Jsp \$ HTML. The administrator's local intertace is but using Java. \* web-browser! - it uses Glassbrish Opplication seaver (Started by som micro systems) non sponsored by oracle comportation)

\* Back End ! - orgole dotabase

STREF VISITORS BASE END







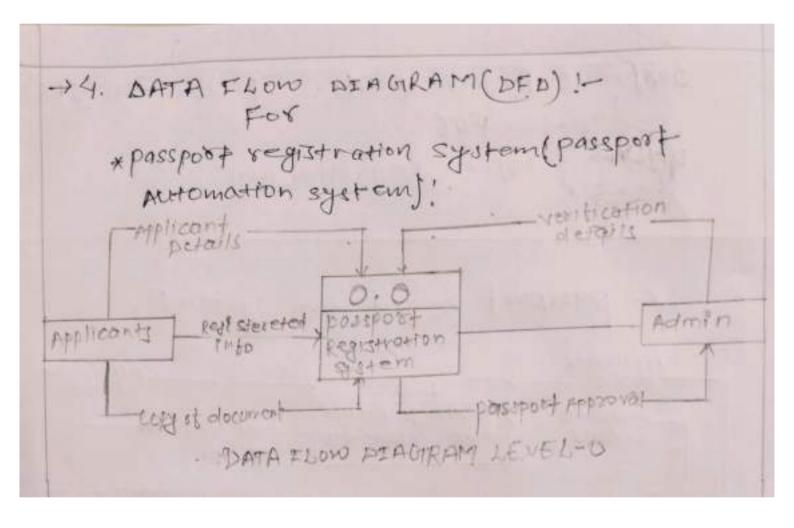
y Maintainability and requirements:—

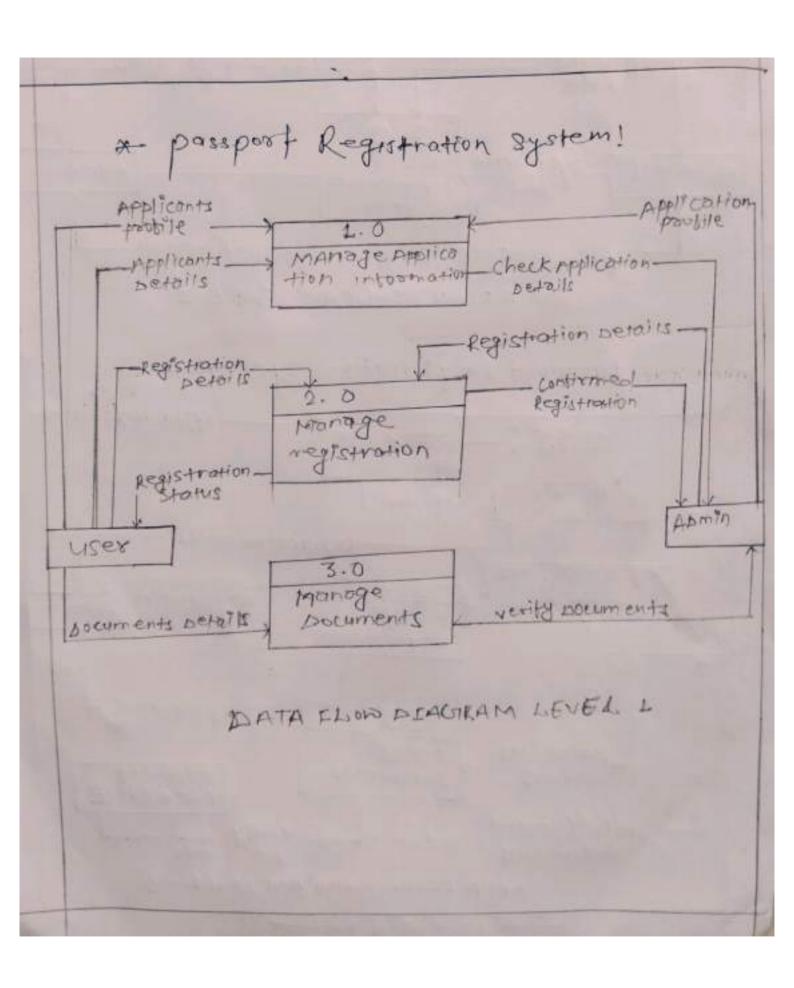
> Maintenance. Requirements

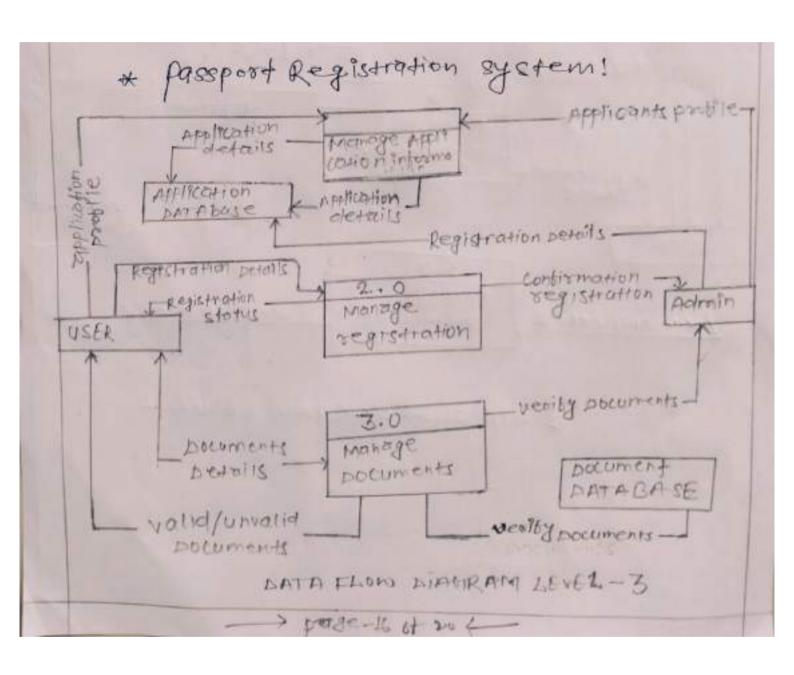
To encome the functionality for the maninum period of time, the database and the catalogue must be updated at least every 15 days. Also, the system Should timely integrate modification suggested by Stabeholders.

- -> Supportability Requirements:
  The System Should need to be entirely self-supporting since the users would be using it any to register.
  - -) Adaptability Requirements! The web interface Should be completible with standards in order to be usable in all wagor web browsers in a wide variety of environments.
- 3.3.5 Security Requirements: 
  entegrity Requirements: Data integraty should be assured by Charting access
  to the database and by appropriate.

  Synchronization, and back-up functiong
  lities.







Immunity Requirements: The system will develop a security system that
will reduce to the minimum the possibility of
cossuption from system and for humans.

3.4 Technical Issues! when you, Due to the material being detective,
unable to have your passport administration? Did
when wring your passport administration? Did
you have your details registered & where you
invited by your administration to return because
se your details had been bout? Did this
se your details had been bout? Did this
problem cause you to subter tamages?
The existing a passport browser
will become obsolete as soon as the online
registration system is gettire.

5.1. Appendines

St. Appendines

Octimation, Acronymis, & activeviations!

\*\*SRS!- Software requirement

\*\*SRS!- Specification.

\* Client/yser: The Entity who would be using passiport registration \* servers! - A system that nums to low that monitors the passiport registration. I RATA! - Random Access Memory

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\*MySB2 !- A relational drotabase wangement system

\* HTTP !- Hyper tent Transfer protocol

\* PDF :- postable socument format

\* Username: unique name given to each account of digital library

expossioned in unique wood given to each user as a secret code

76	JA. Test cases for Registration page							
45	AB. Test cases for Registration page							
2	Assigney & login page by assuming some elient							
	requirements such as !-							
	mondatory fields.							
SH	o cases	Feature	bescription					
L	TC-001	interface	us, buttons etc.					
		Required fields	animal fields by not					
100	TC-a	4	an the required fields.					
4.	TC-00	bields	cheek an the optional tields when do not till data					
5	TC- 005	11 11	filling data					
6	006	vacidatio	cheek the email tent field that has an email address without @ Symbol. cheek the frail tent field that has a roadom string instead of a real mail. Cheek the tent Email tent bield that has a missing dot in the email. address.					
7	7	valigati	check an the valid emails					
8	OB	phone number validate on	check the phone number when passing appronumente data					
	-> 1=9e 19 to 20 (-							

	9	+c-00g	phone no.	pass country wode.				
	10	TC-010	phone au validation	V _				
	LL	TC-611	password	check the password limit when entervolve less thron min.				
	12	TC-012_	possword vollarton	ener value grater than mak.				
	13	74-013	password	9249				
	14	76-04	Required fields	verity of bank spaces arein passed in required tields				
	15	TC-015	it ti	its Email ID				
	A	76-016	phone no. varioration	vesity it the length of the phone e number is incorrect 9.e. less than to.				
	17	TC-017	password	red rules the password required and rules the not satisfied in the password				
	-		Barrie					
	The same of the sa							
	-> 1294 20 06 20 C							