



National University of Computer and Emerging Sciences



Punjab Police Prisoner Management System

Software Engineering BCS-7E

Group: Cavalry

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Chapter 1: Testing

1.1 Component ID Reference Table

Component ID	Component Name
1	Prisoner Transfer Management
2	Visitor Management
3	Beneficiary Management
4	Complaint Management
5	Community Task Management
6	Prisoner Profile Management
7	User Management
8	Crime Management
9	Asset Management
10	Imprisonment Management
11	Court Visit Management

1.2 Test Cases

1.2.1 User Login

		Us	ser Manag	gement	
T4 C 1	TD.	1	7	V4 IV	II- ain
Test Case 1				est Engineer:	Uzair
Test case V	ersion:	1		wed By:	Saqib
Test Date:		02/01/21	Use C Refer	case ence(s):	Login to the system
Revision H	istory:	-	-		
Objective		User should l	be able to le	ogin.	
Product/Ve	er/Module:	Login module	e		
Environme	Environment: Web browser				
Assumption	ns:	User knows h	nis role with	th which to login.	
Pre-Requis		User be on th			
Step No.			Procedure result		
1 User goes to the login page using the systems name and then selects the respective role and gives valid credentials to login.			System allows u	iser to login.	
Comments	: System wor	ks properly a			
		Passed	Failed [Not Executed	

1.2.2 Edit Profile

		Use	r Manag	gement	
			7		
Test Case	D:	2	QA T	est Engineer:	Uzair
Test case V	rersion:	1	Revie	ewed By:	Saqib
Test Date:		02/01/21	Use C	Case	Update profile
			Refer	rence(s):	
Revision H	istory:	-			
Objective		User should be	able to n	nake changes to ti	he profile.
Product/Vo	er/Module:	User module			
Environme	ent:	Web browser			
Assumptio	ns:	User knows where to update profile information.			mation.
Pre-Requis	site:	User is logged in.			
Step No.	Execu	ition description	on	Pr	ocedure result
1 User goes to the settings page, then press edit from where he can update the information.		User updated hi	is information successfully.		
Comments	· · · · · · · · · · · · · · · · · · ·	ws user to upd	late his p	profile.	
,		Passed	Failed	Not Executed	

1.2.3 Change Password

		Us	ser Managei	ment	
			7		
Test Case 1	D:	3	QA Tes	st Engineer:	Uzair
Test case V	rersion:	1	Review	ed By:	Saqib
Test Date:		02/01/21	Use Ca	se	Update profile
			Referen	nce(s):	
Revision H	listory:	-			
Objective		User should	be able to upo	date password.	
Product/Vo	er/Module:	User module			
Environme					
Assumptio	ns:	User knows v	where to upda	update password	
Pre-Requis	site:	User is logge	ed in and knov	knows his old password.	
Step No.	Execu	tion descript	tion	Pr	ocedure result
1 User goes to the settings page and press change password where the password is updated after entering both new and old password		ere the entering	User updated h	is information successfully.	
Comments	: System allo	*		ord.	
		Passed	Failed	Not Executed	

1.2.4 Search

		Us	ser Manag	ement	
Test Case 1	ID:	4	OA T	est Engineer:	Uzair
Test case V	rersion:	1		wed By:	Saqib
Test Date:		02/01/21	Use C		Search
Revision H	listory:	-	•		
Objective		User should	be able to p	erform respective	e searches.
	er/Module:	User module			
Environme	nvironment: Web browser				
Assumptio	Assumptions: User actually knows who			hat to search for (what is he trying to do)	
Pre-Requis	•				
Step No.			tion	Procedure result	
1 User goes to the search bar and selects the category to be search and then enters search keywords and clicks search.			User is able to s successfully.	search information	
Comments	: System allo	ws user to se	•	Not Executed	ccessfully.

1.2.5 Accept/Reject Prisoner Transfer Request (Jailer)

Prisoner Transfer Management							
	1						
Test Case I	D:	5	QA T	est Engineer:	Uzair		
Test case V	ersion:	1	Revie	ewed By:	Saqib		
Test Date:		02/01/21	Use C	Case	Manage prisoner transfer		
			Refer	rence(s):	requests.		
Revision H	History: -						
Objective	bjective Jailer should be able to			manage prisoner transfer request.			
Product/Ve	er/Module: Transfer Request module			le			
Environme	ent:	t: Web browser					
Assumption	ns:	Jailer knows h	ow to acc	ept/reject a reque	est.		
Pre-Requis	site:	Jailer is logged	d in to the	system.			
Step No.	Step No. Execution description		Pr	ocedure result			
1	Jailer log in and see the pending requests among which he can see the details and then accept/reject a request.		Jailer is able to request.	accept/reject transfer			

Comments: System allows jailer to manage requests.					
Passed Failed Not Executed					

1.2.6 Add/Update/Delete Prisoner Transfer Request (Court Officer)

		Prisoner	Transfer	Management	
			1		
Test Case 1	D:	6	QA '	Test Engineer:	Uzair
Test case V	rersion:	1	Revi	ewed By:	Saqib
Test Date:		02/01/21	Use	Case	Initiate/Modify
			Refe	rence(s):	PrisonerTransfer Request
Revision H	listory:	-			
Objective		Court Officer	r can initia	te/modify a prison	ner transfer request
Product/Vo	er/Module:	Transfer Req	uest Modu	le	
Environme	Environment: Web browser				
Assumptio			how to initiate/modify a transfer request		
Pre-Requis	•			in to the system.	
Step No.	Execu	tion descript	tion	Procedure result	
Court Officer selects the specific button to initiate a transfer request. He can also update/delete the request.			Court Officer in request successy	nitiates/modify a transfer fully.	
Comments	: System allo	ws court offi	cer to ini	tiate/modify tra	nsfer request.
		Passed	Failed	Not Executed	

1.2.7 Add/Update/Delete Prisoners Complaint (Court Officer)

		Com	olaint Management	t		
			4			
Test Case ID:		7	QA Test Engir	neer: Uzair		
Test case Vers	sion:	1	Reviewed By:	Saqib		
Test Date:		02/01/21	Use Case	Initiate/Modify Prisoner		
			Reference(s):	Complaint		
Revision Histo	ory:	-				
Objective		Court Officer can initiate/modify Prisoner Complaint request				
Product/Ver/N	Module:	Complaint Module				
Environment:		Web browser				
Assumptions: Court Officer knows how to initiate/modify Prisoner Complain			e/modify Prisoner Complaint			
Pre-Requisite	Pre-Requisite: Court Officer is logged			stem.		
Step No. Execution description		tion	Procedure result			

1	Court Officer selects the specific	Court Officer initiates/modify a Prisoner				
	button to initiate a Prisoner	Complaint successfully.				
	Complaint. He can also					
	update/delete the request.					
Comments	Comments: System allows court officer to initiate/modify complaint request.					
	Passed Failed	Not Executed				

1.2.8 Resolve Complaint (Jail Officer)

		Comp	laint Maı	nagement	
			4		
Test Case 1	D:	8	QA T	est Engineer:	Khuram
Test case V	ersion:	1	Revie	wed By:	Ali
Test Date:		02/01/21	Use C		Resolve Complaint
Revision H	istory:	-	Refer	ence(s):	
Objective		Jail Officer ca	ın resolve d	a complaint	
Product/Ve	er/Module:	Complaint Mo	odule	-	
Environme	ent:	Web browser			
Assumption	ns:	Jail Officer knows how to resolve a complaint			
Pre-Requis		Jail Officer is logged in to the system.			
Step No.	Execu	tion description P		ocedure result	
Jail Officer selects the specific button to resolve a prisoner complaint. Jail Officer resolves a Prisoner Complaint successfully.			olves a Prisoner Complaint		
Comments	: System allo			ve complaint re	equest.
		Passed	Failed	Not Executed	

1.2.9 Add/Update/Delete Prisoner (Jail Officer)

Prisoner Profile Management					
		6			
Test Case ID:	9	QA Test Engineer:	Khuram		
Test case Version:	1	Reviewed By:	Ali		
Test Date:	02/01/21	Use Case	Add/Update/Delete		
		Reference(s):	prisoner.		
Revision History:	-				
Objective	Jail Officer can add/update/delete a prisoner profile.				
Product/Ver/Module:	Prisoner Management Module				
Environment:	Web browser				
Assumptions:	Jail Officer knows how to add/update/delete a prisoner profile.				
Pre-Requisite:	Jail Officer is l	logged in to the system.			

Step No.	Execution description	Procedure result				
1	Jail Officer selects the specific button to add/update/delete a prisoner profile.	Jail Officer is able to add/update/delete a prisoner profile.				
Comments: System allows jail officer to add/update/delete a prisoner profile.						
Passed Failed Not Executed						

1.2.10 Add/Update/Delete Prisoner Crime (Jail Officer)

		Cri	ime Mana	gement	
			8		
Test Case l	D:	10	QA Test Engineer:		Khuram
Test case V	rersion:	1	Revie	wed By:	Ali
Test Date:		02/01/21	Use C	Case	Add/Update/Delete
			Refer	ence(s):	prisoner crime.
Revision H	listory:	-			
Objective		Jail Officer o	can add/upd	ate/delete a priso	oner crime.
Product/Vo	er/Module:	Prisoner Ma	nagement N	I odule	
Environme	ent:	Web browser			
Assumptio	ns:	Jail Officer knows how to add/update/delete a prisoner crime.			
Pre-Requis	site:	Jail Officer is logged in to the system and has opened a specific			
		prisoner profile.			
Step No.	Execu	tion descrip	tion	Pr	ocedure result
1	Jail Officer selects the specific button to add/update/delete a prisoner			Jail Officer is able to add/update/delete a prisoner crime.	
crime.			F		
Comments	: System allo	ws jail office	r to add/u	pdate/delete <i>pr</i>	isoner crime.
		Passed	Failed	Not Executed	

1.2.11 Add/Update/Delete Prisoner Community Task (Jail Officer)

	Commun	nity Task Management			
		5			
Test Case ID:	11	QA Test Engineer:	Khuram		
Test case Version:	1	Reviewed By:	Ali		
Test Date:	02/01/21	Use Case	Add/Update/Delete		
	Reference(s): prisoner community tas				
Revision History:	-				
Objective	Jail Officer can add/update/delete a prisoner community task.				
Product/Ver/Module:					

Environment:		Web browser			
Assumptions:		Jail Officer knows how to add/update/delete a prisoner community			
_		task.			
Pre-Requisite:		Jail Officer is logged in to the system and has opened a specific prisoner profile.			
Step No. Execution description		tion description	Procedure result		
Jail Officer selects the specific button to add/update/delete a prisoner community task.		e/delete a prisoner	Jail Officer is able to add/update/delete a prisoner community task.		
Comments	: System allo	ws jail officer to add/u	pdate/delete community task.		
		Passed Failed	Not Executed		

1.2.12 Add/Update/Delete Prisoner Visitor (Jail Officer)

		Visito	r Mana	gement		
	2					
Test Case I	D:	12	QA T	est Engineer:	Khuram	
Test case Version:		1	Revie	ewed By:	Ali	
Test Date:		02/01/21	Use C	Case	Add/Update/Delete	
			Refer	rence(s):	prisoner visitor.	
Revision H	istory:	-				
Objective		Jail Officer can	add/upa	late/delete a priso	ner visitor	
Product/Ve	er/Module:	Visitor Manager	ment			
Environme	nt:	Web browser				
Assumption	ns:	Jail Officer knows how to add/update/delete a prisoner visitor				
Pre-Requis	ite:	Jail Officer is logged in to the system and has opened a specific prisoner profile.				
Step No.	Execu	tion description	n	Procedure result		
Jail Officer selects the specific button to add/update/delete a prisoner visitor.			Jail Officer is an prisoner visitor	ble to add/update/delete a		
Comments	: System allo	ws jail officer to	o add/u	pdate/delete vis	itor	
	Passed Failed Not Executed					

1.2.13 Add/Update/Delete Prisoner Assets (Jail Officer)

Asset Management					
			9		
Test Case I	D:	13	QA T	est Engineer:	Khuram
Test case V	ersion:	1	Revie	wed By:	Ali
Test Date:		02/01/21	Use C	Case	Add/Update/Delete
			Refer	ence(s):	prisoner asset.
Revision H	istory:	-			
Objective		Jail Officer can	add/upd	ate/delete a priso	ner asset
Product/Ve	r/Module:	Asset Managem	ent		
Environment:		Web browser			
Assumptions:		Jail Officer knows how to add/update/delete a prisoner asset			
Pre-Requisite:		Jail Officer is logged in to the system and has opened a specific prisoner profile.			
Step No.	Execu	tion description	n	Pr	ocedure result
Jail Officer selects the specific button to add/update/delete a prisoner asset. Jail Officer is able to add/update/delete a prisoner asset prisoner asset			ble to add/update/delete a		
Comments: System allows jail officer to add/update/delete asset					
	Passed Failed Not Executed				

1.2.14 Add/Update/Delete Prisoner Beneficiary (Jail Officer)

		Benefi	ciary Ma	nagement	
			3		
Test Case 1	D:	14	QA T	est Engineer:	Khuram
Test case V	ersion:	1	Revie	ewed By:	Ali
Test Date:		02/01/21	Use C Refer	Case rence(s):	Add/Update/Delete prisoner beneficiary.
Revision History: -					
Objective		Jail Officer co	r can add/update/delete a prisoner beneficiary		
Product/Ve	er/Module:	Beneficiary M	l anagemen	nt .	
Environme	ent:	Web browser	wser		
Assumption	ns:	Jail Officer kr	nows how to add/update/delete a prisoner beneficiary		
Pre-Requisite:		Jail Officer is logged in to the system and has opened a specific prisoner profile.		l has opened a specific	
Step No.	Execu	Execution description		Procedure result	
1	Jail Officer selects the specific button to add/update/delete a prisoner beneficiary.		Jail Officer is a prisoner benefi	ble to add/update/delete a ciary	

Comments: System allows jail officer to add/update/delete beneficiary				
Passed Failed Not Executed				

1.2.15 Add/Update/Delete Prisoner Imprisonment (Jail Officer)

	Imprisonment Management					
	10					
Test Case I	D:	15	QA T	est Engineer:	Uzair	
Test case V	ersion:	1	Revie	wed By:	Saqib	
Test Date:		02/01/21	Use C	Case	Add/Update/Delete	
			Refer	rence(s):	prisoner imprisonment.	
Revision H	istory:	-				
Objective		Jail Officer car	ı add/upd	late/delete a priso	ner imprisonment	
Product/Ve	er/Module:	Imprisonment l	Managem	ent		
Environme	nt:	Web browser				
Assumption	ns:	Jail Officer knows how to add/update/delete a prisoner imprisonment				
Pre-Requis	ite:	Jail Officer is logged in to the system and has opened a specific prisoner profile.				
Step No.	Execu	ition description	n	Procedure result		
			Jail Officer is an prisoner impriso	ble to add/update/delete a onment		
Comments: System allows jail officer to add/update/delete imprisonment						
	Passed Failed Not Executed					

1.2.16 Add/Update/Delete Prisoner Court Visit (Jail Officer)

	Imprisonment Management				
		10			
Test Case ID:	16	QA Test Engineer:	Uzair		
Test case Version:	1 Reviewed By: Saqib				
Test Date:	02/01/21	Use Case	Add/Update/Delete		
	Reference(s): prisoner court visit.				
Revision History:	-				
Objective	Jail Officer o	an add/update/delete a prisc	oner court visit		
Product/Ver/Module:	Court Visit M	<i>lanagement</i>			
Environment:	Web browser				
Assumptions:	Jail Officer knows how to add/update/delete a prisoner court visit				
Pre-Requisite: Jail Officer is logged in to the system and has opened a specific prisoner profile.					

Step No.	Execution description	Procedure result			
1	Jail Officer selects the specific button to add/update/delete a prisoner court visit.	Jail Officer is able to add/update/delete a prisoner court visit			
Comments: System allows jail officer to add/update/delete court visit					
Passed Failed Not Executed					

1.2.17 Logout of the system

User Management					
7					
Test Case ID:		17	QA Test Engineer:	Uzair	
Test case Version:		1	Reviewed By:	Saqib	
Test Date:		02/01/21	Use Case	Logout to the system	
			Reference(s):		
Revision History:		-			
Objective		User should be able to log out.			
Product/Ver/Module:		Logout module			
Environment:		Web browser			
Assumptions:		User knows how to log out.			
Pre-Requisite:		User must be logged in.			
Step No.			ion Pi	Procedure result	
1	User can click logout button from anypage.		from System allows i	System allows user to log out.	
Comments: System works properly as desired and allow user to logout.					
Passed Failed Not Executed					

1.3 Access Control Testing

Our project strictly follows of the principles of access control system. Firstly, the system does not allow any actions without the respective user being logged in to the system. In simpler words, any user cannot perform a task if the user is not logged into system using valid credentials. The systems landing page is always the Login page and from here onwards any user can login. Moreover, the system only gives access of respective user interfaces to the users so that system's integrity is not challenged at all. Furthermore, users can perform only tasks that they are affiliated to perform. No user can perform tasks of any other user as access control is been taken care of well in the system.

1.4 Test Metrics

Metric:	Purpose
Number of Test Cases:	17
Number of Test Cases Passed:	17
Number of Test Cases Failed:	0