



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

User Management					
7					
Test Case ID:	1	QA Test Engineer:	Uzair		
Test case Version:	1	Reviewed By:	Saqib		
Test Date:	02/01/21	Use Case Reference(s):	Login to the system		
Revision History:	-				
Objective	User should be able to login.				
Product/Ver/Module:	Login module				
Environment:	Web browser				
Assumptions:	User knows his role with which to login.				
Pre-Requisite:	User be on the login page				
Step No.	Execution description	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 user to login.			
Comments: System works properly as desired.					
<input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed					

1.2.2 Edit Profile

User Management			
7			
Test Case ID:	2	QA Test Engineer:	Uzair
Test case Version:	1	Reviewed By:	Saqib
Test Date:	02/01/21	Use Case Reference(s):	Update profile
Revision History:	-		
Objective	User should be able to make changes to the profile.		
Product/Ver/Module:	User module		
Environment:	Web browser		
Assumptions:	User knows where to update profile information.		
Pre-Requisite:	User is logged in.		
Step No.	Execution description	Procedure result	
1	User goes to the settings page, then press edit from where he can update the information.	User updated his information successfully.	
Comments: System allows user to update his profile.			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

1.2.3 Change Password

User Management			
7			
Test Case ID:	3	QA Test Engineer:	Uzair
Test case Version:	1	Reviewed By:	Saqib
Test Date:	02/01/21	Use Case Reference(s):	Update profile
Revision History:	-		
Objective	User should be able to update password.		
Product/Ver/Module:	User module		
Environment:	Web browser		
Assumptions:	User knows where to update password		
Pre-Requisite:	User is logged in and knows his old password.		
Step No.	Execution description	Procedure result	
1	User goes to the settings page and press change password where the password is updated after entering both new and old password	User updated his information successfully.	
Comments: System allows user to update password.			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

1.2.4 Search

User Management			
7			
Test Case ID:	4	QA Test Engineer:	Uzair
Test case Version:	1	Reviewed By:	Saqib
Test Date:	02/01/21	Use Case Reference(s):	Search
Revision History:	-		
Objective	User should be able to perform respective searches.		
Product/Ver/Module:	User module		
Environment:	Web browser		
Assumptions:	User actually knows what to search for (what is he trying to do)		
Pre-Requisite:	User is logged in		
Step No.	Execution description	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 search information successfully.	
Comments: System allows user to search respective things successfully.			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

1.2.5 Accept/Reject Prisoner Transfer Request (Jailer)

Prisoner Transfer Management			
1			
Test Case ID:	5	QA Test Engineer:	Uzair
Test case Version:	1	Reviewed By:	Saqib
Test Date:	02/01/21	Use Case Reference(s):	Manage prisoner transfer requests.
Revision History:	-		
Objective	Jailer should be able to manage prisoner transfer request.		
Product/Ver/Module:	Transfer Request module		
Environment:	Web browser		
Assumptions:	Jailer knows how to accept/reject a request.		
Pre-Requisite:	Jailer is logged in to the system.		
Step No.	Execution description	Procedure 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 accept/reject transfer request.	

Comments: System allows jailer to manage requests.
<input type="checkbox"/> <i>Passed</i> <input type="checkbox"/> <i>Failed</i> <input type="checkbox"/> <i>Not Executed</i>

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

Prisoner Transfer Management			
1			
Test Case ID:	6	QA Test Engineer:	Uzair
Test case Version:	1	Reviewed By:	Saqib
Test Date:	02/01/21	Use Case Reference(s):	Initiate/Modify PrisonerTransfer Request
Revision History:	-		
Objective	Court Officer can initiate/modify a prisoner transfer request		
Product/Ver/Module:	Transfer Request Module		
Environment:	Web browser		
Assumptions:	Court Officer knows how to initiate/modify a transfer request		
Pre-Requsite:	Court Officer is logged in to the system.		
Step No.	Execution description	Procedure result	
1	Court Officer selects the specific button to initiate a transfer request. He can also update/delete the request.	Court Officer initiates/modify a transfer request successfully.	
Comments: System allows court officer to initiate/modify transfer request.			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

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

Complaint Management			
4			
Test Case ID:	7	QA Test Engineer:	Uzair
Test case Version:	1	Reviewed By:	Saqib
Test Date:	02/01/21	Use Case Reference(s):	Initiate/Modify Prisoner Complaint
Revision History:	-		
Objective	Court Officer can initiate/modify Prisoner Complaint request		
Product/Ver/Module:	Complaint Module		
Environment:	Web browser		
Assumptions:	Court Officer knows how to initiate/modify Prisoner Complaint		
Pre-Requisite:	Court Officer is logged in to the system.		
Step No.	Execution description	Procedure result	

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

1.2.8 Resolve Complaint (Jail Officer)

Complaint Management			
4			
Test Case ID:	8	QA Test Engineer:	Khuram
Test case Version:	1	Reviewed By:	Ali
Test Date:	02/01/21	Use Case Reference(s):	Resolve Complaint
Revision History:	-		
Objective	Jail Officer can resolve a complaint		
Product/Ver/Module:	Complaint Module		
Environment:	Web browser		
Assumptions:	Jail Officer knows how to resolve a complaint		
Pre-Requisite:	Jail Officer is logged in to the system.		
Step No.	Execution description	Procedure result	
1	Jail Officer selects the specific button to resolve a prisoner complaint.	Jail Officer resolves a Prisoner Complaint successfully.	
Comments: System allows Jail officer to resolve complaint request.			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

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 Reference(s):	Add/Update/Delete prisoner.
Revision History:	-		
Objective	<i>Jail Officer can add/update/delete a prisoner profile.</i>		
Product/Ver/Module:	<i>Prisoner Management Module</i>		
Environment:	<i>Web browser</i>		
Assumptions:	<i>Jail Officer knows how to add/update/delete a prisoner profile.</i>		
Pre-Requisite:	<i>Jail Officer is logged in to the system.</i>		

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.		
<input type="checkbox"/> <i>Passed</i> <input type="checkbox"/> <i>Failed</i> <input type="checkbox"/> <i>Not Executed</i>		

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

Crime Management			
8			
Test Case ID:	10	QA Test Engineer:	Khuram
Test case Version:	1	Reviewed By:	Ali
Test Date:	02/01/21	Use Case Reference(s):	Add/Update/Delete prisoner crime.
Revision History:	-		
Objective	Jail Officer can add/update/delete a prisoner crime.		
Product/Ver/Module:	Prisoner Management Module		
Environment:	Web browser		
Assumptions:	Jail Officer knows how to add/update/delete a prisoner crime.		
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 crime.	Jail Officer is able to add/update/delete a prisoner crime.	
Comments: System allows jail officer to add/update/delete prisoner crime.			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

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

Community 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 Reference(s):	Add/Update/Delete prisoner community task.
Revision History:	-		
Objective	Jail Officer can add/update/delete a prisoner community task.		
Product/Ver/Module:	Community Task Management		

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	Procedure result
1	Jail Officer selects the specific button to add/update/delete a prisoner community task.	Jail Officer is able to add/update/delete a prisoner community task .
Comments: System allows jail officer to add/update/delete community task.		
<input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed		

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

Visitor Management			
2			
Test Case ID:	12	QA Test Engineer:	Khuram
Test case Version:	1	Reviewed By:	Ali
Test Date:	02/01/21	Use Case Reference(s):	Add/Update/Delete prisoner visitor.
Revision History:	-		
Objective	Jail Officer can add/update/delete a prisoner visitor		
Product/Ver/Module:	Visitor Management		
Environment:	Web browser		
Assumptions:	Jail Officer knows how to add/update/delete a prisoner visitor		
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 visitor.	Jail Officer is able to add/update/delete a prisoner visitor	
Comments: System allows jail officer to add/update/delete visitor			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

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

Asset Management			
9			
Test Case ID:	13	QA Test Engineer:	Khuram
Test case Version:	1	Reviewed By:	Ali
Test Date:	02/01/21	Use Case Reference(s):	Add/Update/Delete prisoner asset.
Revision History:	-		
Objective	Jail Officer can add/update/delete a prisoner asset		
Product/Ver/Module:	Asset Management		
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.	Execution description	Procedure result	
1	Jail Officer selects the specific button to add/update/delete a prisoner asset.	Jail Officer is able to add/update/delete a prisoner asset	
Comments: System allows jail officer to add/update/delete asset			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

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

Beneficiary Management			
3			
Test Case ID:	14	QA Test Engineer:	Khuram
Test case Version:	1	Reviewed By:	Ali
Test Date:	02/01/21	Use Case Reference(s):	Add/Update/Delete prisoner beneficiary.
Revision History:	-		
Objective	Jail Officer can add/update/delete a prisoner beneficiary		
Product/Ver/Module:	Beneficiary Management		
Environment:	Web browser		
Assumptions:	Jail Officer knows 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.		
Step No.	Execution description	Procedure result	
1	Jail Officer selects the specific button to add/update/delete a prisoner beneficiary.	Jail Officer is able to add/update/delete a prisoner beneficiary	

Comments: System allows jail officer to add/update/delete <i>beneficiary</i>
<input type="checkbox"/> <i>Passed</i> <input type="checkbox"/> <i>Failed</i> <input type="checkbox"/> <i>Not Executed</i>

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

Imprisonment Management			
10			
Test Case ID:	15	QA Test Engineer:	Uzair
Test case Version:	1	Reviewed By:	Saqib
Test Date:	02/01/21	Use Case Reference(s):	Add/Update/Delete prisoner imprisonment.
Revision History:	-		
Objective	Jail Officer can add/update/delete a prisoner imprisonment		
Product/Ver/Module:	Imprisonment Management		
Environment:	Web browser		
Assumptions:	Jail Officer knows how to add/update/delete a prisoner imprisonment		
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 imprisonment.	Jail Officer is able to add/update/delete a prisoner imprisonment	
Comments: System allows jail officer to add/update/delete imprisonment			
<div><input type="checkbox"/>Passed<input type="checkbox"/>Failed<input type="checkbox"/>Not Executed</div>			

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 Reference(s):	Add/Update/Delete prisoner court visit.
Revision History:	-		
Objective	Jail Officer can add/update/delete a prisoner court visit		
Product/Ver/Module:	Court Visit Management		
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		
<input type="checkbox"/> <i>Passed</i> <input type="checkbox"/> <i>Failed</i> <input type="checkbox"/> <i>Not Executed</i>		

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 Reference(s):	Logout to the system
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.	Execution description	Procedure result	
1	User can click logout button from anypage.	System allows user to log out.	
Comments: System works properly as desired and allow user to logout.			
<div><input type="checkbox"/> Passed <input type="checkbox"/> Failed <input type="checkbox"/> Not Executed</div>			

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