

TestCaseId	Component	Description/Test Summary	Pre-requisites	Test Steps	Test Data	Expected Result	Actual Result	Status	Test Executed By
AA_1	Session Management	Session Storage Exploitation.	The system is running.	Simulate the exploitation of session storage.	None	Observe how the system responds to session storage exploitation.	In progress	Test In Execution.	Aditya D Venkatesh
AA_2	Session Management	Session Validation for 30 minutes.	User has an active session.	Log in and start a session and monitor the session for 30 minutes.	None	The session remains valid for 30 minutes, and the user stays logged in. After 30mins, the user has to re-login.	In progress	Test In Execution.	Agnel Elizabeth
AA_3	Database Manager	Schema and input validation.	Database schema is defined.	Insert invalid data into the database and execute a query with invalid input.	Invalid data	The system should detect and handle invalid data, preventing database issues.	In progress	Test In Execution.	Aditya D Venkatesh
AA_4	Database Manager	Memory Limits and page sizes.	The system is running with defined memory limits and page sizes.	Load data exceeding memory limits and query for large result sets.	Large data sets	The system should manage memory and page sizes effectively without crashing or slowing down.	In progress	Test In Execution.	Agnel Elizabeth
AA_5	Retention Enhancer	Validation of Output.	Data is available for analysis.	Perform data analysis and validation.	Analyzed data	The data analysis should produce accurate and valid results.	In progress	Test In Execution.	Akash Kamalesh
AA_6	Database Manager	Dynamic Queries.	The system supports dynamic queries.	Create and execute dynamic database queries.	Dynamic query parameters	The system should handle dynamic queries correctly and return accurate results.	In progress	Test In Execution.	Aditya Arakere
AA_7	Retention Enhancer	Dynamic Layout Rendering.	Dynamic layout rendering is supported.	Customize and render dynamic layouts. Add data that changes the layout of the graphs.	Customized layout data	Dynamic layouts should render correctly according to customization.	In progress	Test In Execution.	Agnel Elizabeth
AA_8	Analysis Engine	Ensure parameter dimensions.	The analysis engine parameters are defined.	Call functions that take in input parameters of a specific dimension with an input of a larger dimension.	Data with increased dimensions	The analysis should use the specified parameters and produce accurate results.	In progress	Test In Execution.	Agnel Elizabeth
AA_9	Data Privacy Standards	Verify GDPR compliance.	GDPR regulation applicable.	Check data privacy and consent processes.	Sensitive employee data.	System complies with GDPR regulations.	In progress	Test In Execution.	Akash Kamalesh
AA_10	Dashboard	Check if the dashboard loads successfully.	User is logged in.	Click on the "Dashboard" tab.	None	The dashboard loads with attrition data.	In progress	Test In Execution.	Aditya Arakere
AA_11	Dashboard	Check if the category analysis page displays attrition by the category.	User is on the category analysis page.	Check for attrition by the chosen category.	Sufficient Attrition Data	The dashboard loads with the selected category's attrition data.	In progress	Test In Execution.	Aditya D Venkatesh
AA_12	Dashboard	Check if the dashboard displays attrition on valid time-frames.	User has selected the time-frame	Check for attrition based on selected time-frame	Sufficient Attrition Data	The dashboard loads with the selected time-frame's attrition data.	In progress	Test In Execution.	Akash Kamalesh
AA_13	Retention Enhancer	Verify that alerts are sent for high attrition rates.	High attrition rate recorded.	Trigger a high attrition rate.	High attrition rate.	Alerts are sent to HR and management.	In progress	Test In Execution.	Aditya Arakere
AA_14	Data Privacy	Check if personally identifiable information is properly anonymized.	Sensitive data available for analysis.	Access sensitive data on the system.	Sensitive employee data.	Sensitive data is anonymized.	In progress	Test In Execution.	Aditya D Venkatesh
AA_15	Data Protection	Check data protection during data transit.	Data transfer between components.	Transfer data between components.	Sensitive data in transit.	Data is encrypted during transit.	In progress	Test In Execution.	Akash Kamalesh
AA_16	Atomicity	Ensure Operations taking place in the system are of atomic nature. This would reduce inconsistencies in the database manager and in the various levels of the system.	All operations are atomic.	Try to interrupt a particular operation in the system and verify the state of the system is in a consistent state.	None	The system should be in a consistent state in case of any abrupt events.	In progress	Test In Execution.	Akash Kamalesh
AA_17	Scalability	Test the system's scalability with increased employee data.	Increase in the number of employees.	Add a significant number of employees	Increased employee data.	System performance remains consistent.	In progress	Test In Execution.	Agnel Elizabeth
AA_18	Real-time Alerts	Check if real-time alerts are delivered within 5 minutes.	High attrition event.	Trigger a high attrition event.	High attrition event.	Alerts are delivered within 5 minutes.	In progress	Test In Execution.	Aditya Arakere
AA_19	User Roles	Verify that user roles have differentiated privileges.	User roles assigned.	Log in with different user roles.	Different user roles.	Users have access according to their roles.	In progress	Test In Execution.	Aditya D Venkatesh
AA_20	Dashboard	Check if users can drill down into specific subcategories.	User is on the dashboard.	Click on a specific subcategory.	Subcategory selected.	Users can access detailed data for the selected subcategory.	In progress	Test In Execution.	Aditya Arakere