Requirements Traceability Matrix

	Test Case ID	Test Case Name	Requirement ID	Requirement Description	Priority	Test Type	Test Status	Test Result	Test Date	Tester Name	Comments
1	TC-001	Verify user login with valid credentials	REQ-001	The system shall allow registered users to log in with valid credentials	High	Functional	Passed	Pass	2024-01-15	Alice Johnson	
2	TC-002	Verify login fails with invalid password	REQ-001	The system shall allow registered users to log in with valid credentials	High	Functional	Passed	Pass	2024-01-15	Alice Johnson	
3	TC-003	Verify password reset email is sent	REQ-002	The system shall send a password reset email upon request	Medium	Functional	Passed	Pass	2024-01-16	Bob Smith	
4	TC-004	Verify account lockout after 5 failed attempts	REQ-003	The system shall lock user accounts after 5 consecutive failed login attempts	High	Security	Passed	Pass	2024-01-16	Alice Johnson	
5	TC-005	Verify session timeout after 30 minutes	REQ-004	The system shall terminate user sessions after 30 minutes of inactivity	Medium	Functional	Passed	Pass	2024-01-17	Bob Smith	
6	TC-006	Verify dashboard loads within 3 seconds	REQ-005	The dashboard shall load within 3 seconds under normal conditions	High	Performance	Passed	Pass	2024-01-17	Carol Davis	
7	TC-007	Verify data export to CSV	REQ-006	The system shall allow users to export data to CSV format	Medium	Functional	Passed	Pass	2024-01-18	Alice Johnson	
8	TC-008	Verify data export to PDF	REQ-007	The system shall allow users to export data to PDF format	Medium	Functional	Passed	Pass	2024-01-18	Alice Johnson	
9	TC-009	Verify role-based access control	REQ-008	The system shall restrict access based on user roles	High	Security	Passed	Pass	2024-01-19	Bob Smith	
10	TC-010	Verify admin can create new users	REQ-009	Administrators shall be able to create new user accounts	High	Functional	Passed	Pass	2024-01-19	Carol Davis	
11	TC-011	Verify admin can deactivate users	REQ-010	Administrators shall be able to deactivate user accounts	High	Functional	Passed	Pass	2024-01-20	Alice Johnson	
12	TC-012	Verify audit log records all actions	REQ-011	The system shall maintain an audit log of all user actions	High	Security	Passed	Pass	2024-01-20	Bob Smith	
13	TC-013	Verify search returns relevant results	REQ-012	The search function shall return relevant results for entered keywords	Medium	Functional	Passed	Pass	2024-01-21	Carol Davis	
14	TC-014	Verify search handles special characters	REQ-013	The search function shall handle special characters without errors	Low	Functional	Passed	Pass	2024-01-21	Alice Johnson	
15	TC-015	Verify pagination on large datasets	REQ-014	The system shall paginate results when more than 50 records are returned	Medium	Functional	Passed	Pass	2024-01-22	Bob Smith	
16	TC-016	Verify mobile responsive layout	REQ-015	The application shall be responsive and usable on mobile devices	Medium	UI	Passed	Pass	2024-01-22	Carol Davis	
17	TC-017	Verify API rate limiting	REQ-016	The API shall enforce rate limiting of 100 requests per minute	High	Security	Passed	Pass	2024-01-23	Alice Johnson	
18	TC-018	Verify API returns proper error codes	REQ-017	The API shall return appropriate HTTP error codes for failed requests	High	Functional	Passed	Pass	2024-01-23	Bob Smith	
19	TC-019	Verify data backup completes successfully	REQ-018	The system shall perform daily backups of all data	High	Operational	Passed	Pass	2024-01-24	Carol Davis	
20	TC-020	Verify data restore from backup	REQ-019	The system shall allow restoration of data from backup	High	Operational	Passed	Pass	2024-01-24	Alice Johnson	
21	TC-021	Verify email notifications are sent	REQ-020	The system shall send email notifications for key events	Medium	Functional	Passed	Pass	2024-01-25	Bob Smith	
22	TC-022	Verify SSL certificate is valid	REQ-021	All communications shall be encrypted using SSL/TLS	High	Security	Passed	Pass	2024-01-25	Carol Davis	
23	TC-023	Verify password complexity requirements	REQ-022	Passwords shall meet minimum complexity requirements	High	Security	Passed	Pass	2024-01-26	Alice Johnson	
24	TC-024	Verify two-factor authentication	REQ-023	The system shall support two-factor authentication	High	Security	Passed	Pass	2024-01-26	Bob Smith	
25	TC-025	Verify user profile update	REQ-024	Users shall be able to update their profile information	Medium	Functional	Passed	Pass	2024-01-27	Carol Davis	
26	TC-026	Verify file upload size limit	REQ-025	The system shall enforce a file upload size limit of 10MB	Medium	Functional	Passed	Pass	2024-01-27	Alice Johnson	
27	TC-027	Verify supported file types	REQ-026	The system shall only accept supported file types for upload	Medium	Functional	Passed	Pass	2024-01-28	Bob Smith	
28	TC-028	Verify concurrent user load	REQ-027	The system shall support 500 concurrent users	High	Performance	Passed	Pass	2024-01-28	Carol Davis	
29	TC-029	Verify database failover	REQ-028	The system shall failover to secondary database within 30 seconds	High	Operational	Passed	Pass	2024-01-29	Alice Johnson	
30	TC-030	Verify logout clears session	REQ-029	The system shall clear all session data upon user logout	High	Security	Passed	Pass	2024-01-29	Bob Smith	