Function /Functional Area	Objective	Risk(s)	Reference	Test Steps	Expected result
Website Security	Correct fields so that they are properly coding	Website availability		Static Analysis Testing, Completeness Check	Fix website to display values properly
WebLogic Servers	Remove coinminer malware ,escalate privileges and encrypt data RBAC	possible data loss	CIS 10.1-2 CIS 3.10-11	Run next gen antivirus scan /software/recovery measures	Remove virus and allow only authorized empolyees to see data
Database Security	Make sure databse is ACID Complaint	possible system outages		Update system/database with locking ability	Make sure database is ACID Compliant on a consistance basis
Transaction Processing	transaction processing is sufficent for customers,Existence check,Reasonableness,	prevent errors,dirty reads, non-repeatable reads ,phantom reads		Create a proformace lab to analyize transactions using a prototype of the companies current systems and config. during the test	Transactions speed and effiency is up to date
Remote Access Security	Remote access/Vendor support	Loss of staff privacy PII /senstive data	CIS 6	RBAC,ABAC,Demo ,policy on system logins and cumputer/devices	Eradicate vendors from working outside of company hours vendors maintian sign-on with with assigned device (s)
Separtaion and Environment	DEV team and PROD team TEST team collaboration	role re-assignments	NIST 800-171	Demo using different offices/facilties where each team reside to perform there duties	improve data security
Logging/Monitoring	Logging and monitoring properly in systems	Loss of staff privacy PII /sensitive data	NIST SP 800-53	Security Awarness	Employee education