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| **Risk ID** | **Description** | **Impact** | **Likelihood** | **Mitigation Strategy** | **Owner** |
| **R1** | **Users may create weak passwords, increasing the chance of brute-force or credential stuffing attacks.** | **If exploited, it could lead to unauthorized access to sensitive data.** | **Common issue if enforcement is not configured properly.** | **Enforce strong password rules and implement multi-factor authentication (MFA).** | ***Aayush Patel* – Responsible for enforcing security controls.** |
| **R2** | **The project team might not receive timely access to the necessary systems, delaying scans** | **Could compress testing timelines and affect quality.** | **Stakeholder delays are common in real-world setups.** | **Start communication early, get written approval for access beforehand.** | ***Hasti Zalavadiya – As project coordinator, she liaises with stakeholders.*** |
| **R3** | **Misconfiguration of monitoring tools like Splunk or Wazuh could lead to missing critical alerts.** | **Could result in undetected breaches.** | **Can happen due to inexperience or tool complexity.** | **Conduct a pilot test and review documentation before full deployment.** | ***– Responsible for monitoring and validation.*** |
| **R4** | **If the full list of servers, endpoints, and APIs is not documented, threat modeling may be inaccurate.** | **Blind spots in risk assessment.** | **May occur due to missing documentation or fast-moving infrastructure.** | **Use automated asset discovery tools and cross-check with stakeholders.** | ***Samriti Jaswal – In charge of implementation and validation.*** |
| **R5** | **If team members don't use version control properly, changes may be lost or overlap.** | **Won’t break the system, but reduces efficiency.** | **Common issue in group projects without strict controls.** | **Enforce use of GitHub (for documents/code) and Jira (for task tracking).** | ***Hasti Zalavadiya – Ensures collaboration tools are used consistently.*** |