| **Success Criteria** | **Description** |
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| **Containerization and Deployment** | - The SPA is containerized and runs without errors within the ECS Fargate environment. - The application is accessible via an Application Load Balancer (ALB) or other specified means. - The deployment process is automated through the CI/CD pipeline. |
| **Integration Testing** | - Integration testing is completed without critical issues. - The SPA successfully interacts with dependent services (e.g., databases) as expected. - Issues identified during integration testing are addressed and resolved. |
| **Performance Testing** | - Performance testing is completed, and the application meets specified performance criteria (e.g., response times, throughput) under various load scenarios. - Any performance bottlenecks or issues identified during testing are addressed and improved. |
| **Security and Access Control** | - AWS IAM roles and permissions are configured correctly for the ECS service. - Security groups and network configurations are properly set up to restrict access as required. - Vulnerability scans and security audits do not reveal critical security issues. |
| **Resource Cleanup** | - Automated resource cleanup at the end of the CI/CD pipeline is successful. - No lingering or unused resources result in unexpected costs. |
| **Documentation and Knowledge Sharing** | - Comprehensive documentation of the deployment process, configurations, and procedures is available. - Knowledge is shared with relevant teams or individuals to ensure the smooth operation of the application. |
| **Stakeholder Satisfaction** | - Stakeholders, including the development team, integration testing team, and external teams, express satisfaction with the process and outcomes. - Any identified issues or concerns are addressed to the satisfaction of stakeholders. |
| **Availability and Monitoring** | - The application remains highly available with minimal downtime. - Monitoring tools and alerts are in place to detect and respond to any performance or availability issues promptly. |
| **Scalability** | - The application architecture and deployment setup allow for easy scaling, should there be an increase in demand. |