Final Assessment
Graded Quiz • 1h

| | Congratulation Grade received 100% | s! You passed! Latest Submission Grade 100% | To pass 70% or higher | Go to next item | |
|-----|---|--|--|--------------------------------------|--|
| 1. | What is a dependency? A well-designed API Reusable code found in An open-source packag A framework based on F | e manager | | 1/1 point | |
| 2. | features and functions write the feature or fu You must store an API encry Only store certificates a Encrypt the key in your Implement a secrets ma Store the key in a datab Correct Correct! Passwords, ce | nctionality code from scratch, thus saving ption key in your code. What can you do not passwords in your code code so it doesn't appear in plaintext anagement solution ase since the data is always encrypted ertificates, and API encryption keys shown | | 1/1 point | |
| 3. | managing secrets. You are assigned a task to rebe able to make any necessary Use automated code red Use static analysis secu Use manual code review Use a validation checke Correct Correct! If you have a | eview an extremely large codebase in a ary changes immediately. What is the beview rity testing vertically and lengthy codes a codebases are evaluated quickly and second codebases are evaluated quickly and second codes are evaluated quickly and second codebases. | short period of time. You are also require est way to achieve this? s, an automated code review is the best efficiently. When used while writing code | ed to 1/1 point | |
| 4. | Your company's database we hired long after it was put in Use SQL manipulation Use SQL manipulation Use custom functions in Substitute variables and Use server-side validation Correct | as the target of a SQL injection attack. Yeto production. What steps can you take a SQL statements divalues on | ou're not sure how it happened since your to secure your web application? | | |
| 5. | Yes, it's a safe assumption of the powerful firewall technology of the powerful firewall firewall technology of the powerful firewall firewall | on is still free of vulnerabilities today? on. It's highly likely that no new vulneration. Our IT Department always keeps out ology to prevent intrusions. on. Our web app uses SSL to encrypt allowe that assumption. I have no idea what it if ecycle. Use vulnerability analysis to | bund before it went live last month. Is it so abilities were discovered in the past 30 days are servers and databases updated and use at connections. Encrypted apps can't be at vulnerabilities could be lurking around e today. Implement security early in the ols during testing before your app goes lies in former and of the latest and a service and servi | ays. es ive. | |
| 6. | Checking vulnerability You are tasked with keeping What process can you use to Data integrity Data quality Data encryption Data security Correct Correct! Data integrity | reports which are published daily. your data safe from unauthorized char achieve that goal? | nges by outside forces with malicious inte | ent. 1/1 point | |
| 7. | You are working on a softwar Which method will help you Interface analysis Static analysis Data analysis Tault or failure analysis Correct Correct! Static analysis runtime binaries for contents | re application and need to find a way to accomplish this task? s is a debugging method that automation or rectness without executing the code. | cally checks your source or object code, or the covers more avenues of code executions are possible problems may exist in your co | or n, | |
| 8. | the application is executing. Memory analysis Interface analysis Data analysis Dynamic analysis Correct Correct! Dynamic analysis | lysis is the process of testing and evalua | ked for flaws, memory issues, and crashe od for this task. ating an application as it is executing. Use mose and fix flaws, memory issues, and | | |
| 9. | applications. What action can be unsafe sinks by refarming the control of the con | an you take to prevent them? actoring code to use textContext or value support on a web server TPS requests or keywords pect lists, keywords, and blocking speci | ial characters can help prevent cross-site ywords, disabling HTTP TRACE support of ing or using textContent or values can also | e on | |
| 10. | Development phase Requirements phase Test phase Design phase Correct Correct Correct! The best time | | t modeling be implemented? ng the design phase. By developing threa rabilities and eliminate weaknesses in th | | |
| 11. | revenue. You have been task downtime. What type of solution in the control of the | ked with finding a solution to help ident ution should you look for? | e, outages, and is starting to see some los tify and resolve issues quickly and minim nd resolve problems more quickly. Receiv ation performance from real-time metric | ve | |
| 12. | Your company is looking for perform and how customers systems but how can they more systems but | a way to gain a deeper insight into the s are utilizing their web apps. Vast amo nake sense of it all? | mation or data collected from your busin | ess | |
| 13. | Your organization is experied and budget haven't expanded trying to identify root cause and less reactive in this situation. An alerting system could hiring additional staff to A monitoring and alerting. A log analysis system could hiring additional staff to Correct! An open-sour | ncing rapid growth with several new sy ed and it's becoming increasingly diffice s of problems. What solution can you in ation? d call immediate attention to problems o help manage and respond to issues ing system ould help pinpoint problems in applicate | | taff 1/1 point ome active | |
| 14. | reports on system hea actionable metrics an When looking into monitoring monitoring solution should Event-driven architectution Component-based monitorics Service orientation Metrics Correct Correct! Metrics, obse | alth, application behavior, prediction, a d is a reliable, go-to system for quick di ng systems for your organization, what provide? re nitoring | nd performance. It provides detailed, agnosis of outages or problems. is an essential component that your ponents that form the basis of a monitori | 1/1 point | |
| 15. | Observability helps your aggregated information. Your monitoring system not hundreds of possible causes. Analyzing log file timest. Using Golden Signals to Viewing system logs to so Using alerts to notify your Correct. Correct! Four Golden signals to Correct! | ou recognize and understand, and under on, across resources and services. ifies you of a latency issue with your we say, what can help you quickly speed up to tamps to see where the latency is coming the help identify the issue see what might be causing the latency ou about latency | erstand patterns between data collected, be application. Instead of searching through | igh 1/1 point | |
| 16. | Your organization currently systems isn't enough. What organization more insight in There are many types of Real user monitoring comperformance Security monitoring care of Application monitoring to warn of problems Correct | monitors all of its systems. You are trying is your justification for using more than ato its systems and infrastructure? If monitoring tools that can help your or all provide perspective on how users provided in the collect and analyze log data to block provided in could give your organization insight into the could give your organization insight in the could give your organization in the | rganization perceive and respond to application potential threats before they happen to metrics, app performance, and send al | lerts | |
| 17. | your organization may types of monitoring to Your company is currently u alerting. Your director wants evaluation is necessary, isn' The monitoring system application's performant application's performant Your company wants to The CIO believes an evaluation | simum insight into your business systemeds to help you determine which are been sound to implement an evaluation soluted monitoring sufficient? should be sufficient because it can identee know how well an application is performation solution is needed on should have been done during the december of the sufficient done in the solution is needed | netrics about application performance ar ion, too. Why would your company think ntify, measure, and evaluate your | nd for 1/1 point | |
| | business-level activity well the app performs that a healthy, valuab You are designing the applic Begin by considering we the app is doing to avoi Begin by identifying wh Begin by looking at how development | the app is aligned to the app is aligned to the sustainability and that it works as a le, and performant app is delivered to the app performs and used and the app performs and add logging where app performs are applicable and add logging where applicable approximation and add logging where applicable applicable approximation and add logging applicable app | app. Where should you begin? are already logging so you can log only v | thow ure 1/1 point what | |
| 19. | Correct Correct! Identifying w logging. You must defi logs must be designed Your monitoring system has however, it isn't detecting so operations. What could be to The servers you're mon causing the alerting fear | hat information should be collected an ine what, how, and when to log applicad, implemented, and tested. Logging is ome problems quickly enough. At other he cause? | d how it will be used is an important part tion information and data. Like application important for diagnostics and auditing. red to the best of your ability. It is working times, alarms are triggered by normal and are experiencing legitimate issues – | t of ons, | |
| 20. | There are legitimate issifalse alarms You're receiving genuing need to calibrate your to Correct Correct! Thresholds seenough. Affected system downtime. Thresholds baseline and adjust means an | ues occurring that are triggering alarms e alerts and false alerts which indicate thresholds. et too broadly prevent the monitoring sems or apps could experience higher less set too sensitively trigger false alarms conitors to improve detectability of real test sources and need to be able to integrate to the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources and need to be able to integrate the sources are sources are sources. | that the alert feature is working. Perhaps ystem from detecting problems quickly vels of performance degradation, leading in both cases, re-evaluate the threshold issues. d alerting system. You also have a time-strate all of it into a single, organized view. | you g to d series 1/1 point | |
| | Grafana Stride Snyk Flask Correct Correct! Grafana is a contime-series analytics of time-series analytics of the continuous continu | n with Prometheus, to make that happ | ization and metrics analysis tool. It provi | | |

Prometheus.