نمونه سوالات **آزمون معماری نرم افزار**

Software architect test
Sample Questions

🅏 سطح آزمون: پیشرفته

IranTalent Tests

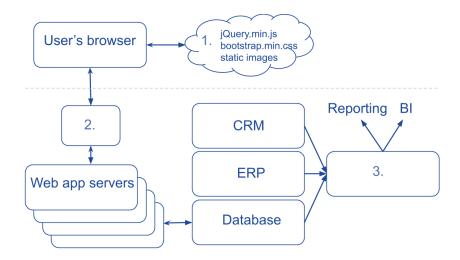
آزمون معماری نرم افزار Software Architect Test

آزمون معماری نرمافزار، توانایی شما را در تجزیه و تحلیل نیازها، اولویتهای پروژههای فناورانه و تصمیم گیریهای معماری در سناریوهای مختلف طراحی نرم افزار ارزیابی می کند.

لطفا پیش از شروع آزمون به نکات زیر با دقت، توجه کنید:

- این آزمون از 12 سوال تخصصی تشکیل شده است و نمره منفی ندارد.
 - زمان آزمون 20 دقیقه میباشد و قابل تمدید نیست.
 - این آزمون به زبان انگلیسی طراحی شده است.
- در بعضی از سوالات شاید همه گزینهها صحیح باشند ولی شما باید گزینهای که از بقیه موارد، جامعتر و دقیقتر میباشد را انتخاب کنید.

1. During a discussion about architecture for a new web app the following sketchup was made:



The authors of the sketchup forgot to write the descriptions for three components marked with red numbers.

Select the best choice, regarding the context, for the description that should define each component.

- Component1>Cloud storage, Component2>Network switch,
 Component3>NoSQL Database
- Component1>File storage, Component2>Router, Component3>External
 Storage
- Component1>CMS, Component2>DNS Server, Component3>Backup Server
- Component1>CDN, Component2> Load balancer, Component3>Data Warehouse

2. You are working on a solution for building a web server. According to an agreement, the web server should offer 99.99% availability.

Which components will help satisfy the agreement?

- a) Hot-swappable components.
- b) Components that are a single point of failure.
- c) Components with large MTBF.
- d) Components with large MTTR.
- e) Components with redundancy.
- 3. Imagine you have two services in your SOA architecture: payment service and subscription service. The payment service is responsible for processing payment through different payment methods. The subscription service is responsible for managing information about sub- scriptions of users. It should be informed exactly when the payment is made.

What is the best way to communicate between these services?

- o Event stream
- Message queue
- o REST call
- o gRPC call
- 4. A team starts a project where the client has concerns related to security. No specific security standards should be applied, but the project should be protected from the main security vulnerabilities.

What would be good to use as a reference to achieve this goal?

- o Twelve-Factor App
- o GDPR
- PCI DSS
- o OWASP