



Unit 9 - Week 8

- Concluding Lectures

Course outline

How to access the portal?

Week 1 Lectures: Introduction to the Internet

Week 2 lectures: Building your webapp

Week 3 Lectures: Databases

Week 4: Introduction to security for webapps

Week 5 - Android Application Development

Week 6 - Advanced Databases and Introduction to iOS

Week 7: Modern Development Practices

Week 8 - Concluding Lectures

Module 22: Backend Architectures

Quiz : Assignment 8

Quiz : Assignment 3_2

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Assignment 8

The due date for submitting this assignment has passed. **Due on 2018-04-07, 23:59 IST.** As per our records you have not submitted this assignment.

(no negative marking, there may be more than one correct option)

1) Which of the following should be done to follow the "write less code" philosophy of developing apps:

1 point

- ☐ Using code libraries
- ☐ Using the ternary operator instead of if...else... statements in the code
- ☐ Choosing a language framework according to the requirements of the app
- ☐ Avoiding using unnecessarily long variable names

No, the answer is incorrect.

Score: 0

Accepted Answers:

Using code libraries

Choosing a language framework according to the requirements of the app

2) In a typical web app architecture, the web server communicates with:

1 point

- ☐ The database server
- ☐ The mobile app
- ☐ The application server
- ☐ The browser

No, the answer is incorrect.

Score: 0

Accepted Answers:

The mobile app

The application server

The browser

3) When can you NOT have an app design where the browser/app directly makes a 3rd party service call for some data instead of your own application server?

1 point

- ☐ The 3rd party service charges based on number of requests made to it
- ☐ The browser/app is expected to run on a low bandwidth network
- ☐ The data requires a step of user authorization before being returned to the app
- ☐ The 3rd party service is provided by a competitor company

No, the answer is incorrect.

Score: 0

Accepted Answers:

The data requires a step of user authorization before being returned to the app

4) In a typical web app architecture, the browser communicates with

1 point

- ☐ The web server
- ☐ The database server
- ☐ 3rd party API servers
- ☐ The mobile app

No, the answer is incorrect.

Score: 0

Accepted Answers:

The web server

3rd party API servers

5) Why should we split a web app into microservices in our web app architecture:

1 point

- ☐ The different microservices can use different languages
- ☐ This makes testing the entire web app easier
- ☐ The different microservices can communicate with each other
- ☐ The different microservices can be deployed independently

No, the answer is incorrect.

Score: 0

Accepted Answers:

The different microservices can use different languages

The different microservices can be deployed independently

6) A web server that provides access to different microservices is also known as:

1 point

- ☐ Client
- ☐ Host
- ☐ API Gateway
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

API Gateway

7) Which of these is/are a web server:

1 point

- ☐ Apache
- ☐ Django
- ☐ Tomcat
- ☐ Redis

No, the answer is incorrect.

Score: 0

Accepted Answers:

Apache

Tomcat

8) Which of these is/are TRUE:

1 point

- ☐ A microservice can always be accessed through a browser
- ☐ Every microservice is dependant on other microservices to do its job
- ☐ Multiple microservices can share the same resources (like disk space)
- ☐ A microservice can have its own web server

No, the answer is incorrect.

Score: 0

Accepted Answers:

Multiple microservices can share the same resources (like disk space)

A microservice can have its own web server

9) The architecture where all the code is developed and deployed together is called:

1 point

- ☐ Client - Server architecture
- ☐ Monolithic architecture
- ☐ Microservice architecture
- ☐ Cloud architecture

No, the answer is incorrect.

Score: 0

Accepted Answers:

Monolithic architecture

10 Which of the following is TRUE:

- ☐ A load balancer is the same as an API gateway
- ☐ An API gateway distributes requests to multiple different microservices
- ☐ A load balancer distributes requests to multiple different microservices
- ☐ A load balancer distributes requests to multiple instances of same type of microservice

No, the answer is incorrect.

Score: 0

Accepted Answers:

An API gateway distributes requests to multiple different microservices

A load balancer distributes requests to multiple instances of same type of microservice

1 point



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