Started on	Saturday, 6 February 2021, 8:01 PM
State	Finished
Completed on	Friday, 12 February 2021, 9:59 AM
Time taken	5 days 13 hours
Grade	**4.00** out of 4.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

Which option from the following list best describes a 1-tier architecture?

Select one:

○ Difficult to design but scalable

● Easy to design but not scalable ✔

○ Easy to design and good for web applications

○ Difficult to design but easy to maintain

The correct answer is: Easy to design but not scalable

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following statements is true?

Select one:

○ Bottom-up design of system architecture allows specific technology choices to be made late.

● None of these. ✔

○ Top-down design of system architecture involves designing the 'home' page of a web app in detail first.

○ Choosing a top-down design approach means the system must use an Apache web server.

The correct answer is: None of these.

Question 3

Correct

Mark 1.00 out of 1.00

Building web applications involves an array of challenges and complexities; these include:

Select one:

● The lack of an accepted development methodology, the hypertext structure and the heterogeneous user populations. ✔

○ The hypertext structure, lack of demand by users for instant availability, the variety of devices and the different web frameworks.

○ The composition of the development team, the immature and legacy technologies and the low expectations of users.

○ The variety of devices, the monolithic nature of the system architecture and the composition of the development team.

The correct answer is: The lack of an accepted development methodology, the hypertext structure and the heterogeneous user populations.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following statements is true?

Select one:

● An N-Tier architecture is more scalable than a 3-tier architecture. ✔

○ The use of a load balancing server reduces the need for CSS in web apps.

○ Databases must be on a separate server from middleware.

○ All of these.

The correct answer is: An N-Tier architecture is more scalable than a 3-tier architecture.