1. What REST stands for?
2. Represent State Transfer
3. Representational State Transfer
4. Represent State Transfer
5. None of the above.
6. Which of the following is true about REST?
7. REST is web standards based architecture and uses HTTP Protocol for data communication.
8. It revolves around resource where every component is a resource and a resource is accessed by a common interface using HTTP standard methods.
9. REST was first introduced by Roy Fielding in 2000.
10. All of the above.
11. Which of the following is true about REST?
12. In REST architecture, a REST Server simply provides access to resources and REST client accesses and presents the resources.
13. Each resource is identified by URIs/ global IDs.
14. REST uses various representations to represent a resource like text, JSON and XML.
15. All of the above.
16. Which of the following is not a valid HTTP methods used in RESTful web services?
17. GET
18. PUT
19. TIME
20. POST
21. Which of the following is not a valid HTTP methods used in RESTful web services?
22. OPTIONS
23. DELETE
24. DATE
25. POST
26. Which of the following is correct about web services?
27. A web service is a collection of open protocols and standards used for exchanging data between applications or systems.
28. Software applications written in various programming languages and running on various platforms can use web services to exchange data among them over computer networks like the Internet.
29. Both of the above.
30. None of the above.
31. Which of the following is correct about RESTful web services?
32. Web services based on REST Architecture are known as RESTful web services.
33. These web services use HTTP methods to implement the concept of REST architecture.
34. A RESTful web service usually defines a URI, Uniform Resource Identifier a service, provides resource representation such as JSON and set of HTTP Methods.
35. All of the above.
36. Which of the following is correct about resource representation in REST?
37. REST uses various representations to represent a resource where text, JSON, XML.
38. XML and JSON are the most popular representations of resources.
39. Both of the above.
40. None of the above.
41. Which of the following depicts best practice, Understandability for resource representation in REST?
42. Both Server and Client should be able to understand and utilize the representation format of the resource.
43. Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.
44. A resource can have a linkage to another resource, a format should be able to handles such situations.
45. None of the above.
46. Which of the following depicts best practice, Completeness for resource representation in REST?
47. Both Server and Client should be able to understand and utilize the representation format of the resource.
48. Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.
49. A resource can have a linkage to another resource, a format should be able to handles such situations.
50. None of the above.
51. Which of the following depicts best practice, Linkablity for resource representation in REST?
52. Both Server and Client should be able to understand and utilize the representation format of the resource.
53. Format should be able to represent a resource completely. For example, a resource can contain another resource. Format should be able to represent simple as well as complex structures of resources.
54. A resource can have a linkage to another resource, a format should be able to handles such situations.
55. None of the above.
56. Which of the following protocol is used by RESTful web services as a medium of communication between client and server?
57. HTTP
58. FTP
59. Gopher
60. None of the above.
61. Which of the following is correct about messaging in RESTful web services?
62. A client sends a message in form of a HTTP Request and server responds in form of a HTTP Response.
63. These messages contain message data and metadata i.e. information about message itself.
64. Both of the above.
65. None of the above.
66. Which of the following component of HTTP request indicates HTTP methods such as GET, POST, DELETE, PUT etc.?
67. VERB
68. URI
69. HTTP Version
70. Request Header
71. Which of the following component of HTTP request is used to identify the resource on server?
72. VERB
73. URI
74. HTTP Version
75. Request Header
76. Which of the following component of HTTP request is used to indicate HTTP version?
77. VERB
78. URI
79. HTTP Version
80. Request Header
81. Which of the following component of HTTP request contains metadata for the HTTP Request message as key-value pairs?
82. VERB
83. URI
84. HTTP Version
85. Request Header
86. Which of the following component of HTTP request contains message content or Resource representation?
87. Request Body
88. URI
89. HTTP Version
90. Request Header
91. Which of the following component of HTTP response indicates server status for the requested resource?
92. Status/Response Code
93. HTTP Version
94. Response Header
95. Response Body
96. Which of the following component of HTTP response indicates HTTP version?
97. Status/Response Code
98. HTTP Version
99. Response Header
100. Response Body
101. Which of the following component of HTTP response contains metadata for the HTTP Response message as key-value pairs?
102. Status/Response Code
103. HTTP Version
104. Response Header
105. Response Body
106. Which of the following component of HTTP response contains response message content or Resource representation?
107. Status/Response Code
108. HTTP Version
109. Response Header
110. Response Body
111. Which of the following is correct about addressing in RESTful web services?
112. Addressing refers to locating a resource or multiple resources lying on the server.
113. It is analogous to locate a postal address of a person.
114. Both of the above.
115. None of the above.
116. What URI stands for?
117. Unit Resource Identifier
118. Uniform Representation Identifier
119. Uniform Resource Identifier
120. None of the above.
121. Which of the following is correct about URI in RESTful web services?
122. Each resource in REST architecture is identified by its URI.
123. Purpose of an URI is to locate a resource(s) on the server hosting the web service.
124. Both of the above.
125. None of the above.
126. Which of the following is a best practice to create a standard URI for a web service?
127. Use Plural Noun.
128. Avoid using spaces.
129. Use lowercase letters
130. All of the above.
131. Which of the following is a best practice to create a standard URI for a web service?
132. Maintain Backward Compatibility
133. Use HTTP Verb
134. Both of the above.
135. None of the above.
136. Which of the following is correct about statelessness in context of RESTful web service?
137. As per REST architecture, a RESTful web service should not keep a client state on server.
138. It is responsibility of the client to pass its context to server and then server can store this context to process client's further request.
139. Both of the above.
140. None of the above.
141. Which of the following is advantage of RESTful web service being stateless?
142. Web services can treat each method request independently.
143. Web services need not to maintain client's previous interactions. It simplifies application design.
144. As HTTP is itself a statelessness protocol, RESTful Web services work seamlessly with HTTP protocol.
145. All of the above.
146. Which of the following HTTP method should be idempotent in nature?
147. GET
148. PUT
149. POST
150. HEAD
151. Which of the following HTTP method should be idempotent in nature?
152. OPTIONS
153. DELETE
154. POST
155. HEAD
156. Which of the following HTTP method should be read only in nature?
157. GET
158. DELETE
159. POST
160. PUT
161. Which of the following HTTP method should be used to create/update resource using RESTful web service?
162. GET
163. DELETE
164. POST
165. OPTIONS
166. Which of the following HTTP method should be used to delete resource using RESTful web service?
167. GET
168. DELETE
169. POST
170. OPTIONS
171. Which of the following HTTP method should be used to create resource using RESTful web service?
172. GET
173. DELETE
174. PUT
175. OPTIONS
176. Which of the following HTTP method should be used to fetch resource using RESTful web service?
177. GET
178. DELETE
179. PUT
180. OPTIONS
181. Which of the following HTTP method should be used to get status of method availability in RESTful web service?
182. GET
183. HEAD
184. PUT
185. OPTIONS
186. Which of the following HTTP method should be used to get list the supported operations in RESTful web service?
187. GET
188. HEAD
189. PUT
190. OPTIONS
191. Which of the following is true about caching in RESTful web service?
192. Caching refers to storing server response in client itself so that a client needs not to make server request for same resource again and again.
193. A server response should have information about how a caching is to be done so that a client caches response for a period of time or never caches the server response.
194. Both of the above.
195. None of the above.
196. Which of the following header of HTTP response, provides the date and time of the resource when it was created?
197. Date
198. Last Modified
199. Cache-Control
200. Expires
201. Which of the following header of HTTP response, provides the date and time of the resource when it was last modified?
202. Date
203. Last Modified
204. Cache-Control
205. Expires
206. Which of the following header of HTTP response provides control over caching?
207. Date
208. Last Modified
209. Cache-Control
210. Expires
211. Which of the following header of HTTP response sets expiration date and time of caching?
212. Date
213. Last Modified
214. Cache-Control
215. Expires
216. Which of the following directive of Cache Control Header of HTTP response indicates that resource is cachable by any component?
217. Public
218. Private
219. no-cache/no-store
220. max-age
221. Public directive of Cache Control Header of HTTP response indicates that resource is cachable by any component.
222. true
223. false
224. Which of the following directive of Cache Control Header of HTTP response indicates that resource is cachable by only client and server?
225. Public
226. Private
227. no-cache/no-store
228. max-age
229. Which of the following directive of Cache Control Header of HTTP response indicates that resource is not cachable?
230. Public
231. Private
232. no-cache/no-store
233. max-age
234. Which of the following directive of Cache Control Header of HTTP response can set the time limit of caching?
235. Public
236. Private
237. no-cache/no-store
238. max-age
239. Which of the following directive of Cache Control Header of HTTP response provides indication to server to revalidate resource if max-age has passed?
240. must-revalidate
241. Private
242. no-cache/no-store
243. max-age
244. Which of the following is a best practice for caching in RESTful web service?
245. Always keep static contents like images, css, JavaScript cacheable, with expiration date of 2 to 3 days.
246. Never keep expiry date too high.
247. Dynamic contents should be cached for few hours only.
248. All of the above
249. Which of the following is a best practice for designing a secure RESTful web service?
250. Validation - Validate all inputs on the server. Protect your server against SQL or NoSQL injection attacks.
251. Session based authentication - Use session based authentication to authenticate a user whenever a request is made to a Web Service method.
252. Both of the above.
253. None of the above.
254. Which of the following is a best practice for designing a secure RESTful web service?
255. No sensitive data in URL - Never use username, password or session token in URL , these values should be passed to Web Service via POST method.
256. Restriction on Method execution - Allow restricted use of methods like GET, POST, DELETE. GET method should not be able to delete data.
257. Both of the above.
258. None of the above.
259. Which of the following is a best practice for designing a secure RESTful web service?
260. Validate Malformed XML/JSON - Check for well formed input passed to a web service method.
261. Throw generic Error Messages - A web service method should use HTTP error messages like 403 to show access forbidden etc.
262. Both of the above.
263. None of the above.
264. Which of the following HTTP Status code means OK, shows success?
265. 200
266. 201
267. 204
268. 304
269. Which of the following HTTP Status code means CREATED, when a resource is successful created using POST or PUTrequest?
270. 200
271. 201
272. 204
273. 304
274. Which of the following HTTP Status code means NO CONTENT, when response body is empty for example, a DELETE request?
275. 200
276. 201
277. 204
278. 304
279. Which of the following HTTP Status code means NOT MODIFIED, used to reduce network bandwidth usage in case of conditional GETrequests?
280. 200
281. 201
282. 204
283. 304
284. Which of the following HTTP Status code means BAD REQUEST, states that invalid input is provided e.g. validation error, missing data?
285. 400
286. 401
287. 404
288. 409
289. Which of the following HTTP Status code means FORBIDDEN, states that user is not having access to method being used for example, delete access without admin rights?
290. 400
291. 401
292. 404
293. 409
294. Which of the following HTTP Status code means NOT FOUND, states that method is not available?
295. 400
296. 401
297. 404
298. 409
299. Which of the following HTTP Status code means CONFLICT, states conflict situation while executing the method for example, adding duplicate entry?
300. 400
301. 401
302. 404
303. 409
304. Which of the following HTTP Status code means INTERNAL SERVER ERROR, states that server has thrown some exception while executing the method?
305. 500
306. 401
307. 404
308. 409
309. What JAX-RS stands for?
310. Just API for RESTful Web Services.
311. Joint API for RESTful Web Services.
312. JAVA API for RESTful Web Services.
313. None of the above.
314. Which of the following is correct about JAX-RS?
315. JAX-RS is a JAVA based programming language API and specification to provide support for created RESTful Webservices.
316. Its 2.0 version was released in 24 May 2013.
317. Both of the above.
318. None of the above.
319. Which of the following is correct about JAX-RS?
320. JAX-RS makes heavy use of annotations available from Java SE 5 to simplify development of JAVA based web services creation and deployment.
321. It also provides supports for creating clients for RESTful web services.
322. Both of the above.
323. None of the above.
324. Which of the following annotation of JAX RS API is used to annotate a method to get the relative path of the resource class/method?
325. @Path
326. @GET
327. @PUT
328. @POST
329. Which of the following annotation of JAX RS API is used to annotate a method used to fetch resource?
330. @Path
331. @GET
332. @PUT
333. @POST
334. Which of the following annotation of JAX RS API is used to annotate a method used to create resource?
335. @Path
336. @GET
337. @PUT
338. @POST
339. Which of the following annotation of JAX RS API is used to annotate a method used to create/update resource?
340. @Path
341. @GET
342. @PUT
343. @POST
344. Which of the following annotation of JAX RS API is used to annotate a method used to delete resource?
345. @DELETE
346. @HEAD
347. @Produces
348. @Consumes
349. Which of the following annotation of JAX RS API is used to get status of method availability?
350. @DELETE
351. @HEAD
352. @Produces
353. @Consumes
354. Which of the following annotation of JAX RS API states the HTTP Response generated by web service?
355. @DELETE
356. @HEAD
357. @Produces
358. @Consumes
359. Which of the following annotation of JAX RS API states the HTTP Request type?
360. @DELETE
361. @HEAD
362. @Produces
363. @Consumes
364. Which of the following annotation of JAX RS API binds the parameter passed to method to a value in path?
365. @PathParam
366. @QueryParam
367. @MatrixParam
368. @HeaderParam
369. Which of the following annotation of JAX RS API binds the parameter passed to method to a query parameter in path?
370. @PathParam
371. @QueryParam
372. @MatrixParam
373. @HeaderParam
374. Which of the following annotation of JAX RS API binds the parameter passed to method to a HTTP matrix parameter in path?
375. @PathParam
376. @QueryParam
377. @MatrixParam
378. @HeaderParam
379. Which of the following annotation of JAX RS API binds the parameter passed to method to a HTTP header?
380. @PathParam
381. @QueryParam
382. @MatrixParam
383. @HeaderParam
384. Which of the following annotation of JAX RS API binds the parameter passed to method to a Cookie?
385. @CookieParam
386. @FormParam
387. @DefaultValue
388. @Context
389. Which of the following annotation of JAX RS API binds the parameter passed to method to a form value?
390. @CookieParam
391. @FormParam
392. @DefaultValue
393. @Context
394. Which of the following annotation of JAX RS API assigns a default value to a parameter passed to method?
395. @CookieParam
396. @FormParam
397. @DefaultValue
398. @Context
399. Which of the following annotation of JAX RS API is used to inject a context of the resource for example HTTPRequest as a context
400. @CookieParam
401. @FormParam
402. @DefaultValue
403. @Context
404. REST is web standards based architecture and uses HTTP Protocol for data communication.
405. false
406. true
407. In REST architecture, a REST Server simply provides access to resources and REST client accesses and presents the resources.
408. false
409. true
410. A web service is a collection of open protocols and standards used for exchanging data between applications or systems.
411. true
412. false
413. RESTful web services use HTTP methods to implement the concept of REST architecture.
414. true
415. false
416. A RESTful web service usually defines a URI, Uniform Resource Identifier a service, provides resource representation such as JSON and set of HTTP Methods.
417. false
418. true
419. RESTful web services make use of FTP protocol as a medium of communication between client and server.
420. true
421. false
422. A RESTful web service client sends a message in form of a Gopher Request and server responds in form of a HTTP Response.
423. true
424. false
425. URI of HTTP request indicates HTTP methods to be executed by RESTful Web services.
426. false
427. true
428. Request Header - Contains metadata for the HTTP Request message as keyvalue pairs.
429. false
430. true
431. Status/Response Code - Indicate Server status for the requested resource.
432. false
433. true
434. Response Header - Contains metadata for the HTTP Response message as key-value pairs.
435. true
436. false
437. Request Body - Contains Message content or Resource representation.
438. true
439. false
440. Each resource in REST architecture is identified by its URI.
441. true
442. false
443. Purpose of an URI is to do the DNS lookup.
444. true
445. false
446. Web services can treat each method request independently.
447. true
448. false
449. As HTTP is itself a statelessness protocol, RESTful Web services work seamlessly with HTTP protocol.
450. true
451. false
452. PUT opearations should be readonly.
453. true
454. false
455. POST opearations should be idempotent.
456. true
457. false
458. GET opearations should be readonly.
459. true
460. false