## Congratulations! You passed!

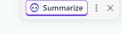
Grade Latest Submission received 100% Grade 100%

identifier (or URI).

To pass 70% or higher

Retake the assignment in **7h** 58m

next item



1.	What are the key characteristics of a RESTful API? Select two answers.	1/1 point	
	☐ Unique interface for each component		
	<b>☑</b> It works on HTTP		
	○ Correct     Correct. Communication between a REST client and the REST server is in the form of an HTTP request using methods like GET, POST, and DELETE.		
	☐ One API to access all resources		
	Stateless communication between client and server		G
	○ Correct     Correct. The REST architecture is designed so that the client state is not maintained on the server.		
2.	What does an API Gateway act as?	1/1 point	
	A firewall to protect your microservices		
	An API management tool		
	A load balancer for your hosted services		
	A streaming service		
	<ul> <li>Correct         Correct. An API Gateway decouples clients from your services, hiding their complexity, interconnection, and implementation details.     </li> </ul>		
3.	Which syntax is used to make an update request to a product REST API?	1 / 1 point	<u> </u>
	O PUT /products/114/name/Calendar2023		8-
	GET /products/114?updatedName=Calendar2023		
	PUT /products/114 (product data in the body)		
	O POST/products (product data in the body)		
	Correct Correct. A PUT method with submitted data in the body is the standard for updating a resource.		
4.	Which type of framework is Flask?	1 / 1 point	
	O Database		
	○ Frontend		
	Micro web		
	○ REST API		
	⊙ Correct     Correct. Flask is classified as a micro web framework as it does not require particular tools or libraries.		6
5.	Which one of the following statements is true about communication in a RESTful API?	1/1 point	
	Each request does not contain all information.		
	Resources are uniquely identified at individual endpoints.		
	A request can take advantage of any stored context on the server.		
	Session state is kept entirely on the REST API.		
	○ Correct     Correct. The REST API should ensure that the same piece of data belongs to only one uniform resource		

6. What are the potential drawbacks of an API Gateway? Select two answers.	1/1 point	
✓ Bottleneck in scalability		
Correct Correct. An API Gateway can become a scalability bottleneck if it is not designed in a resilient and highly available fashion.		6
☐ Increases requests to the backend		
✓ Single point of failure		
Correct Correct. If you ensure the gateway is properly designed to meet your application's availability requirements, then it won't become a single point of failure.		
Exposes the implementation details		
7. Which specification is followed by Swagger?	4/4 malink	
	1/1 point	
O SOA		
○ WebAPI		
○ GraphQL		
OpenAPI		6
8. Which cURL command should be used to query a list of products?	1 / 1 point	
O curl -X 'PUT' \		
'http://127.0.0.1:5000/products' \		
-H 'accept: application/json'		
O curl-X'PATCH'\		
'http://127.0.0.1:5000/products' \		
-H 'accept: application/json'		
O curl-X'POST'\		
'http://127.0.0.1:5000/products' \		
-H 'accept: application/json'		
● curl-X'GET'\		6
'http://127.0.0.1:5000/products' \		
-H 'accept: application/json'		
<ul> <li>Correct</li> <li>Correct. This cURL command with the -X flag specifies a GET operation.</li> </ul>		
9. Which HTTP method is used to create new data in a REST API?	1/1 point	
O PUT		
O UPDATE		
POST		
O PATCH		
Correct Correct. You can use POST to create a new resource. A POST request requires a body in which you define the data of the entity to be created.		
10. What is the purpose of Postman?	1 / 1 point	
O Transfers applications		
O Command line tool to get data		
O Uniform interface for different components		
Tests APIs		



Correct. Postman is a popular tool for testing APIs.

