

Quiz 4: Web Services

Due Jun 15 at 11:59pm **Points** 100 **Questions** 4
Available Jun 10 at 8am - Jun 15 at 11:59pm 6 days **Time Limit** 60 Minutes

This quiz was locked Jun 15 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	32 minutes	32.89 out of 100

Score for this quiz: **32.89** out of 100

Submitted Jun 15 at 9:23pm

This attempt took 32 minutes.

Question 1

20 / 20 pts

What are the seven HTTP verbs that underlie the REST architecture?

Your Answer:

1. GET
2. PUT
3. POST
4. DELETE
5. PATCH
6. HEAD
7. OPTIONS

Question 2

4 / 20 pts

What are the six annotations in JAX-RS that are used to specify parameters for RESTful Web services?

Your Answer:

1. @Path
2. @Produces
3. @Consumes
4. @Get, @Post, @Put, etc for methods
- 5.
6. @QueryParam

@PathParam @MatrixParam @QueryParam @CookieParam
@HeaderParam @FormParam

Question 3

0 / 40 pts

Annotate the following resource class, using JAX-RS annotations, to reflect that:

1. The URI for a student resource has the form

`/rest/student/cwid`

and the resource is represented as an XML document. A representation for this resource can be obtained using the GET verb.

2. The URI for the resource of all students has the form

`/rest/student`. A list of all student records can be obtained by performing GET on this resource. A new student record is added by performing the POST operation on this resource. The representation for the new student should be represented in XML. A student record is updated by performing a PUT operation on the student resource.

```
public class StudentResource {  
    public void add(Student s) { ... };  
    public Student retrieve(long cwid) { ... };  
    public void update(String cwid, Student s) { ... };  
    public Student[] retrieveAll() { ... };  
}
```

Your Answer:

1. GET /rest/student/cwid=cwid

Confused by the wording of this question. Do you want us to make the URIs for all the statements or just the first one?

1. GET /rest/student
2. POST /rest/student?cwid=cwid
3. PUT /rest/student?cwid=cwid&s=s

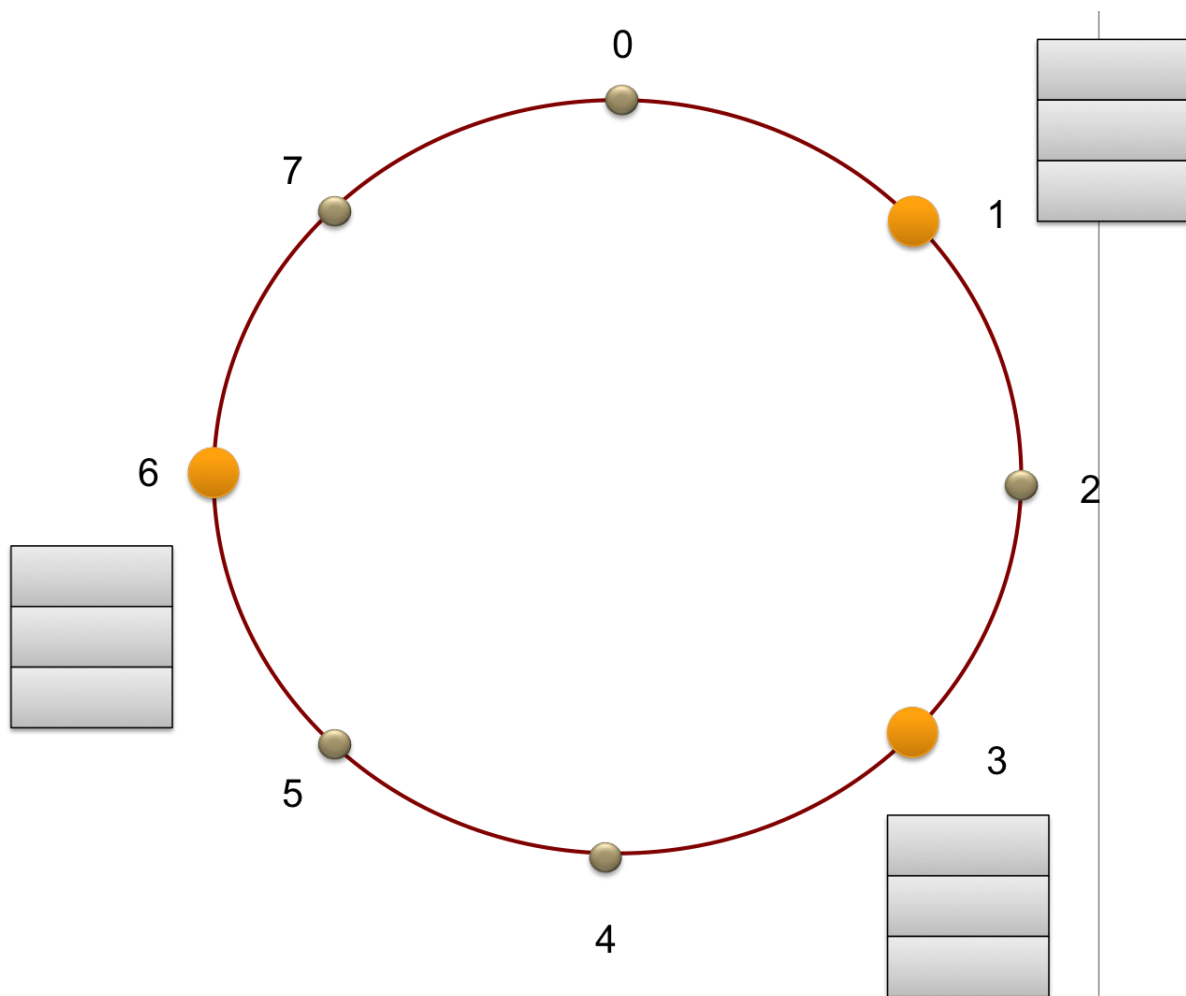
```
@Path("/rest/student") public class StudentResource { @Post
@Consumes("application/xml") public void add(Student s) { ... };
@Get @Path("{cwid}") @Produces("application/xml") public
Student retrieve(@PathParam("cwid") long cwid) { ... }; @Put
@Path("{cwid}") @Consumes("application/xml") public void
update(@PathParam("cwid") String cwid, Student s) { ... }; @Get
@Produces("application/xml") public Student[] retrieveAll() { ... }; }
```

Question 4

8.89 / 20 pts

For the Chord network below, fill in the entries in the finger tables for the nodes.

	Node 1	Node 3	Node 6
finger(0)	3	3	3
finger(1)	3	6	0
finger(2)	6	0	0



Answer 1:

Correct!

3

Answer 2:

ou Answered

3

orrect Answer

6

Answer 3:

ou Answered

3

orrect Answer

1

Answer 4:

Correct!

3

	Answer 5:
Correct!	6
	Answer 6:
You Answered	<div>0</div>
Correct Answer	1
	Answer 7:
Correct!	6
	Answer 8:
You Answered	<div>0</div>
Correct Answer	1
	Answer 9:
You Answered	<div>0</div>
Correct Answer	3

Quiz Score: **32.89** out of 100