

# SER 321 B Session

**SI Session**

**Monday, March 18th 2024**

*7:00 pm - 8:00 pm MST*

# Agenda



OSI Model

HTTP

Requests

Response Codes

JSON

# SI Session Expectations

Thanks for coming to the **SER 321** SI session. We have a packed agenda and we are going to try to get through as many of our planned example problems as possible. This session will be recorded and shared with others.

- If after this you want to see additional examples, please visit the drop-in tutoring center.
- We will post the link in the chat now and at the end of the session.
  - [tutoring.asu.edu](https://tutoring.asu.edu)
- Please keep in mind we are recording this session and it will be made available for you to review 24-48 hours after this session concludes.
- Finally, please be respectful to each other during the session.

# Interact with us:

## Zoom Features



### Zoom Chat

- Use the chat feature to interact with the presenter and respond to presenter's questions.
- Annotations are encouraged

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**OSI Model**

Unit

Layer

What we are *really*  
talking about

	Application	
	Presentation	
	Session	
	Transport	
	Network	
	Data Link	
	Physical	

**SER 321**

**URLS**

Given the following URL, identify the...

**Query**

<https://www.google.com/search?q=asu>

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**URLS**

Given the following URL, identify the...

**Protocol**

**https://www.google.com/search?q=asu**

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**URLS**

Given the following URL, identify the...

**Path**

<https://www.google.com/search?q=asu>



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**URLS**

Given the following URL, identify the...

**Host**

<https://www.google.com/search?q=asu>

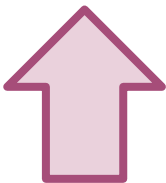
**SER 321**

**URLS**

Given the following URL, identify the...

**Port**

<https://www.google.com/search?q=asu>



**443**

Which are *required* for successful communication?

Host

Port

Path

Protocol

Query

We will focus on ***FOUR*** request types

1.

2.

3.

4.

What's the difference?

1. GET

2. POST

3. PUT

4. DELETE

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## HTTP Responses

Status Codes →

1XX

2XX

3XX

4XX

5XX

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## HTTP Responses

1XX	Information	Rare			
2XX	Success	200	201	204	
3XX	Redirect	301			
4XX	User Error	400	403	404	405
5XX	Server Error	501	503		

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**JSON**

**Object**

**Array**

**Member**

{ }

[ ]

“name” : value



**SER 321****JSON**

What do we see?

```
{  
  "name" : "katie",  
  "role" : "student",  
  "course" : "ser321"  
}
```

```
{  
  "name" : "katie",  
  "pets" : {  
    "dog" : "smokey",  
    "dog" : "samie"  
  }  
}
```

```
[{  
  "name" : "katie",  
  "name" : "zac"  
}]  
  
{  
  "submissions" : [  
    {"name" : "katie"},  
    {"name" : "zac"}  
  ]  
}
```

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**JSON**

How many Objects?

How many Arrays?

How many Members?

```
{
  "name": "lab3vue_act3_kgrinne3",
  "version": "0.0.0",
  "private": true,
  "scripts": {
    "dev": "vite",
    "build": "vite build",
    "preview": "vite preview"
  },
  "dependencies": {
    "vue": "^3.3.4"
  },
  "devDependencies": {
    "@vitejs/plugin-vue": "^4.3.1",
    "vite": "^4.4.9"
  }
}
```

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**JSON**

Play around with  
Network/HTTP-JSON



# SER 321

Scratch Space

# Questions?

## Survey:

<http://bit.ly/ASN2324>



## Upcoming Events

### SI Sessions:

- Thursday, March 21st at 7:00 pm MST
- Sunday, March 24th at 7:00 pm MST
- Monday, March 25th at 7:00 pm MST

### Review Sessions:

- TBD

# More Questions?

Check out our other resources!

tutoring.asu.edu



## Academic Support

Academic Support Network (ASN) provides a variety of free services in-person and online to help currently enrolled ASU students succeed academically.

### Services



#### Subject Area Tutoring

Need in-person or online help with math, science, business, or engineering courses? Just hop into our Zoom room or drop into a center for small group tutoring. We'll take it from there.

[Need help using Zoom?](#)

[View the tutoring schedule](#)

[View digital resources](#)

Go to Zoom



#### Writing Tutoring

Need help with undergraduate or graduate writing assignments? Schedule an in-person or online appointment, access your appointment link, or wait in our drop-in queue.

[Access your appointment link](#)

[Access the drop-in queue](#)

Schedule Appointment



#### Online Study Hub

Join our online peer communities to connect with your fellow Sun Devils. Engage with our tools to search our bank of resources, videos, and previously asked questions. Or, ask our Tutorbot questions.

Now supporting courses in Math, Science, Business, Engineering, and Writing.

Online Study Hub

1-

Go to Zoom

2-

[Need help using Zoom?](#)

[View the tutoring schedule](#)

[View digital resources](#)






1. Click on 'Go to Zoom' to log onto our Online Tutoring Center.
2. Click on 'View the tutoring schedule' to see when tutors are available for specific courses.

# More Questions?

## Check out our other resources!

[tutoring.asu.edu/online-study-hub](https://tutoring.asu.edu/online-study-hub)

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## Online Study Hub

Online peer communities for students and tutors, YouTube channels, and Tutorbots.



### What are online peer communities?

Individual courses have an online peer community that allows you to connect with your peers to post and answer questions and to develop study groups.



### How can tutoring center videos help?

Videos can help supplement the learning you're doing in and outside of class and include step-by-step methods for how to understand concepts.



### How does the Tutorbot work?

You can ask the Tutorbot questions about course concepts and the Tutorbot will recommend additional resources and examples to help address your questions.

Select a subject

- Any -

[Apply](#)



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Select a subject

- Any -

[Apply](#)

Business


### ACC 231

Uses of Accounting Info I

 [Peer Community](#)

### ACC 241

Uses of Accounting Info II

 [Peer Community](#)

### CIS 105

Computer Applications and Information Technology

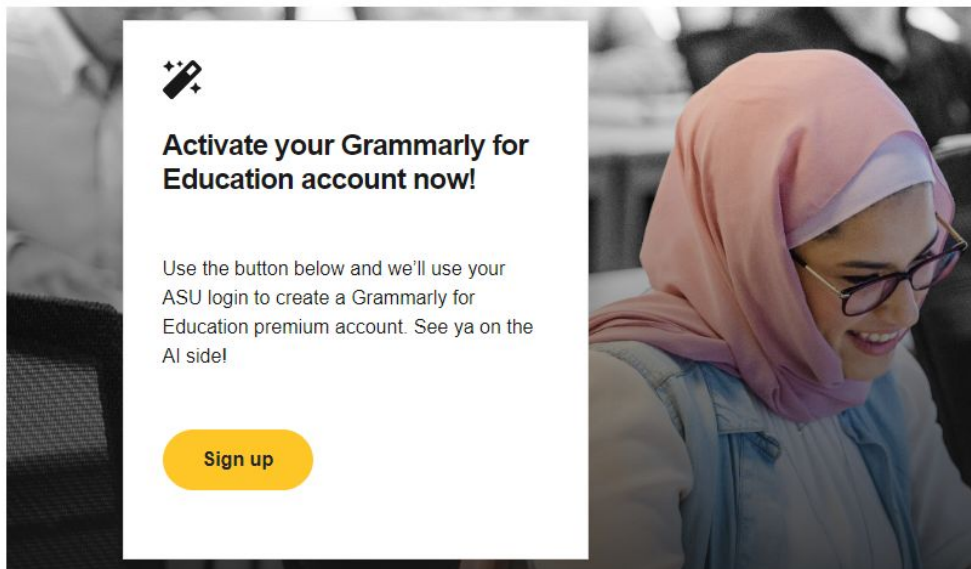
 [Peer Community](#)

Don't forget to check out the Online Study Hub for additional resources!



# Expanded Writing Support Available

Including Grammarly for Education, at no cost!



[tutoring.asu.edu/expanded-writing-support](https://tutoring.asu.edu/expanded-writing-support)

\*Available slots for this pilot are limited

## Additional Resources

- [Course Repo](#)
- [Gradle Documentation](#)
- [GitHub SSH Help](#)
- [Linux Man Pages](#)
- [Interactive OSI Model](#)
- [MDN HTTP Docs](#)
  - [Requests](#)
  - [Responses](#)