

SER 321 B Session

SI Session

Tuesday, March 25th 2025

10:00 am - 11:00 am MST

Agenda



OSI Model

Conceptual Overview

Upper Layers

HTTP

JSON Intro

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
- 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

Check out the recording for the discussion!


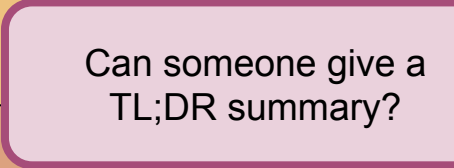
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OSI Model

Unit

Layer

What we are *really*
talking about

Data	Application	
Data	Presentation	
Data	Session	
Segment	Transport	
Packet	Network	
Frame	Data Link	
Bits	Physical	

What ***is*** the
OSI Model?

Can someone give a
TL;DR summary?

Check out the recording for the discussion!

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OSI Model

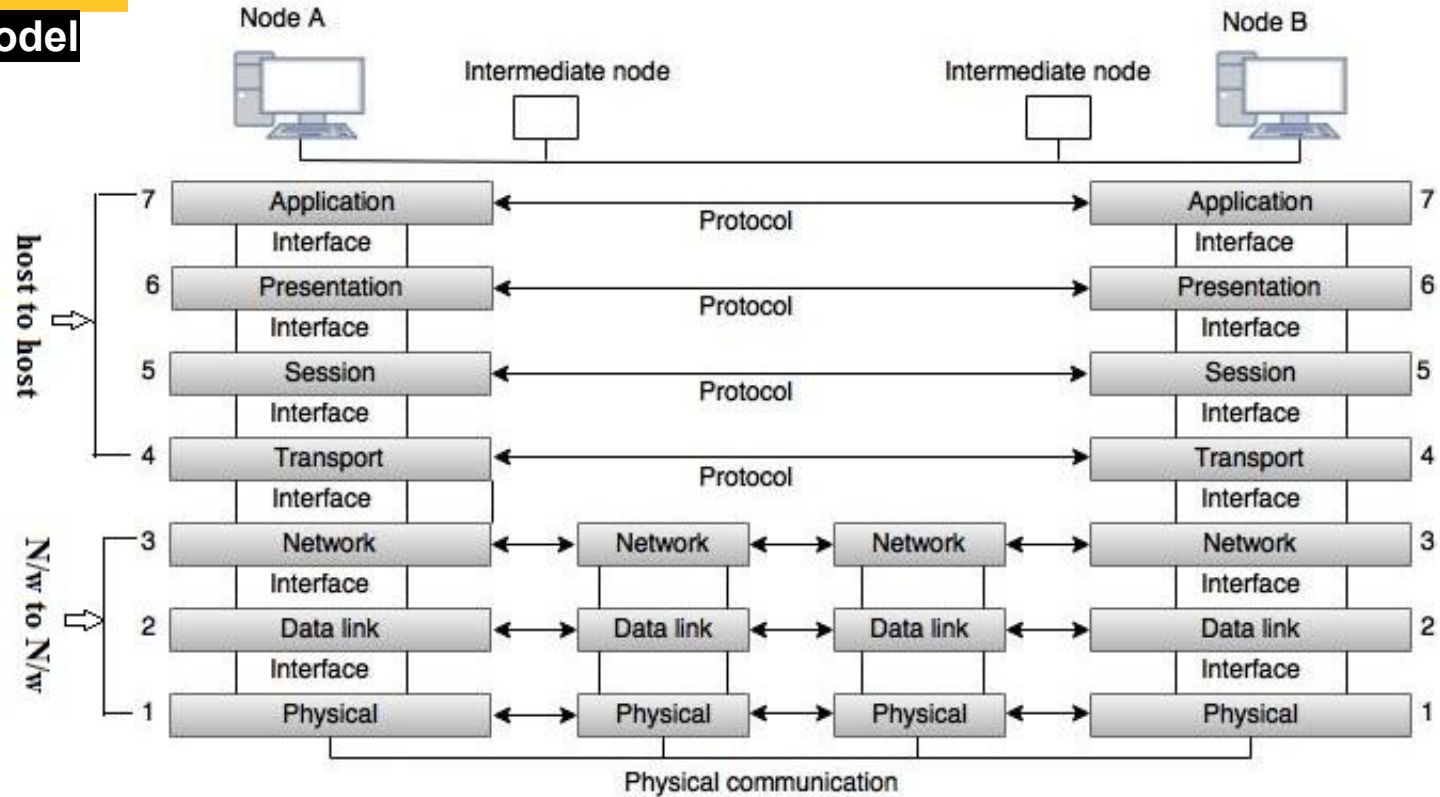


Fig: OSI Model

Check out the recording for the discussion!

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OSI Model

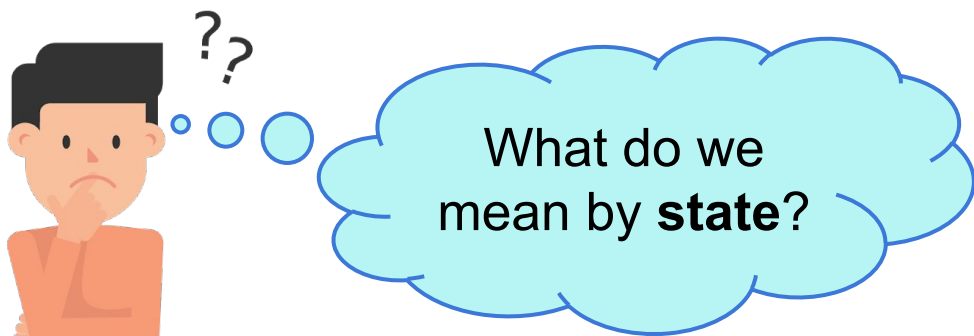
Unit

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Data	Application	
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HTTP(S)



Stateful

OR

Stateless

Synchronous

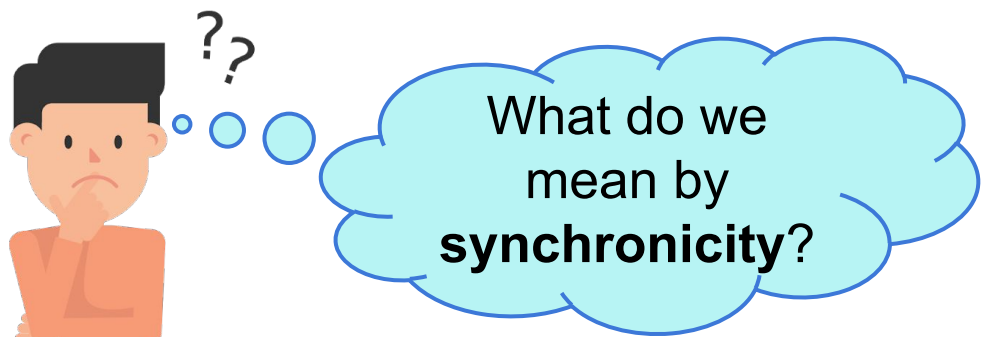
OR

Asynchronous

Check out the recording for the discussion and solution!

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HTTP(S)



Stateful

OR

Stateless

Synchronous

OR

Asynchronous

Check out the recording for the discussion and solution!

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URLS

Given the following URL, identify the...

Query

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

Check out the recording for the solution!

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URLS

Given the following URL, identify the...

Protocol

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

Check out the recording for the solution!

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URLS

Given the following URL, identify the...

Path

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

Check out the recording for the solution!

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URLS

Given the following URL, identify the...

Host

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

Check out the recording for the solution!

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

1.

2.

3.

4.

Check out the recording for the solution!

What's the difference?

1. GET

2. POST

3. PUT

4. DELETE

Check out the recording for the discussion and solution!

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HTTP Responses

Status Codes →

1XX

2XX

3XX

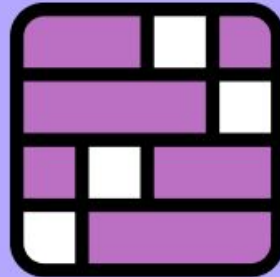
4XX

5XX

Check out the recording for the solution!

Connections!

The New York Times **Games**



Connections

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Scratch Space

Upcoming Events

SI Sessions:

- Thursday, March 27th at 7:00 pm MST
- Sunday, March 30th at 7:00 pm MST
- Tuesday, April 1st at 10:00 am MST

Review Sessions:

- TBD

Questions?

Survey:

<https://asuasn.info/ASNSurvey>



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.

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[View the tutoring schedule](#)

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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

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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.

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Select a subject

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Business

ACC 231

Uses of Accounting Info I

 [Peer Community](#)

ACC 241

Uses of Accounting Info II

 [Peer Community](#)

CIS 105

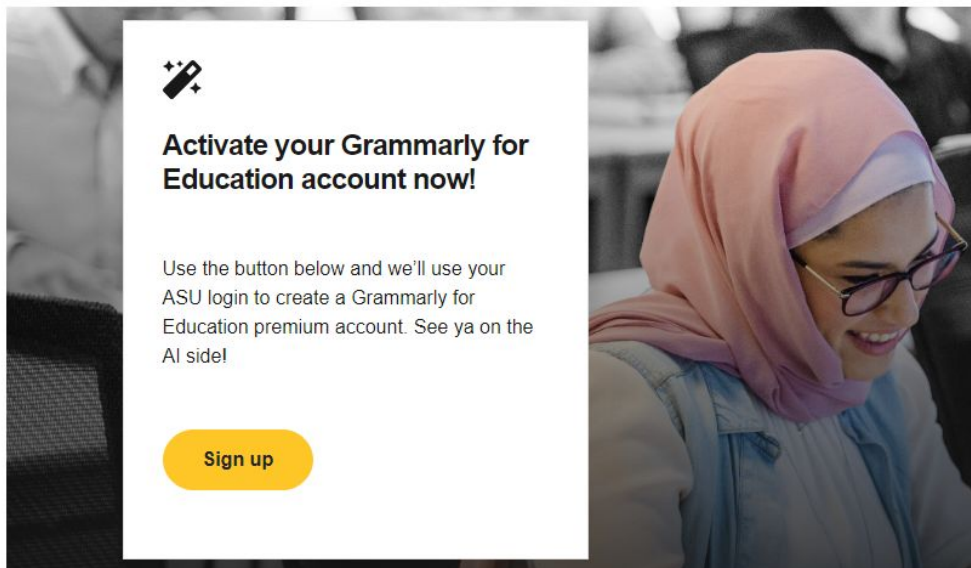
Computer Applications and Information Technology

 [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

*Available slots for this pilot are limited

Additional Resources

- [Course Repo](#)
- [Gradle Documentation](#)
- [GitHub SSH Help](#)
- [Linux Man Pages](#)
- [OSI Interactive](#)
- [MDN HTTP Docs](#)
 - [Requests](#)
 - [Responses](#)
- [JSON Guide](#)
- [org.json Docs](#)