SER 321 C Session

SI Session

Sunday, June 2nd 2024

6:00 pm - 7:00 pm MST

Agenda

JSON Review

Assignment 3-2 GUI

Sockets!

Basic Needs

Properties

Generic Steps for Use

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

SER 321 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"
```

```
org.json Docs
```

SER 321 JSON

```
JSONObject json =
```

What if I want to see if name exists first?

How about the dev value?

```
"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": {
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```

JSON Guide

SER 321

Assignment 3-2 GUI

Frame





picPanel

outputPanel



ClientGui Points of Interest!

Line	Item
58	Constructor
86	Calling newGame()
114	show()
125	newGame()
139	insertImage()
(154)	appendOutput()
165	submitClicked()



Think Fast - Client or Server?

```
String host = args[0];
Socket server = new Socket(host, port);
System.out.println("Connected to server at " + host + ":" + port);
```



Think Fast - Client or Server?

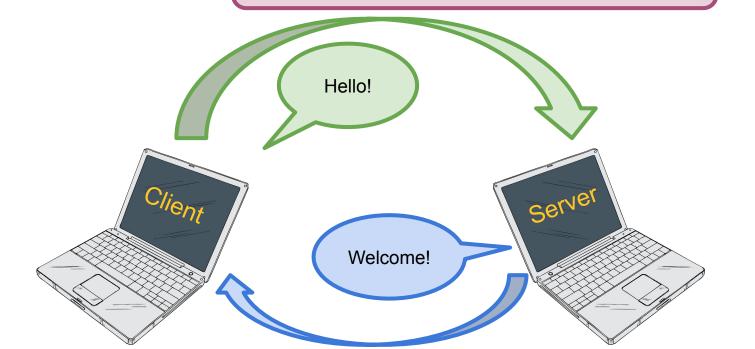
```
Socket clientSock;
ServerSocket sock = new ServerSocket(port);
System.out.println("Server ready for connections");
```

How are we feeling about Socket communications so far?



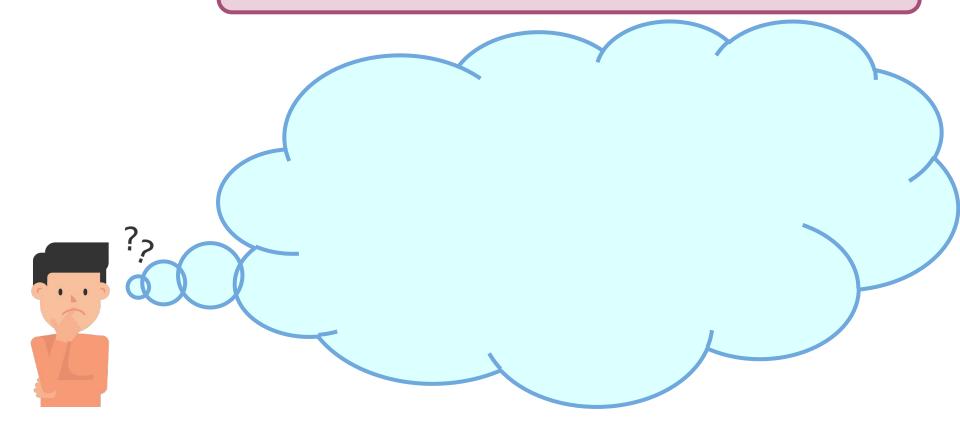
Sockets allow our client and server to communicate!

Enables a client/server conversation



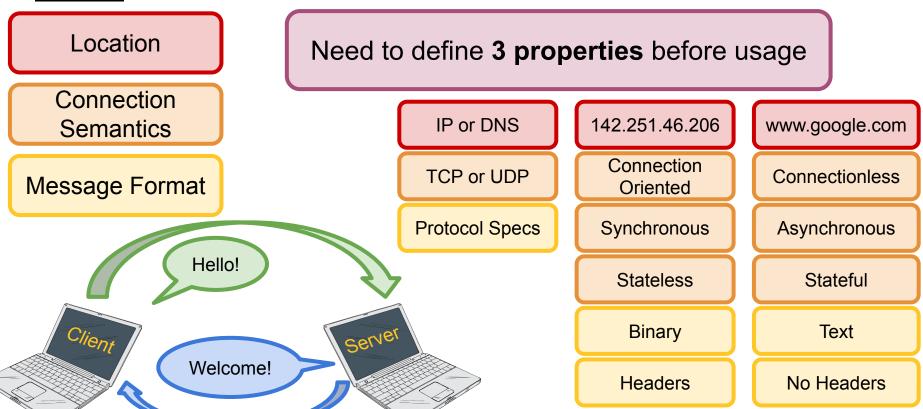


How do we enable a client/server connection?



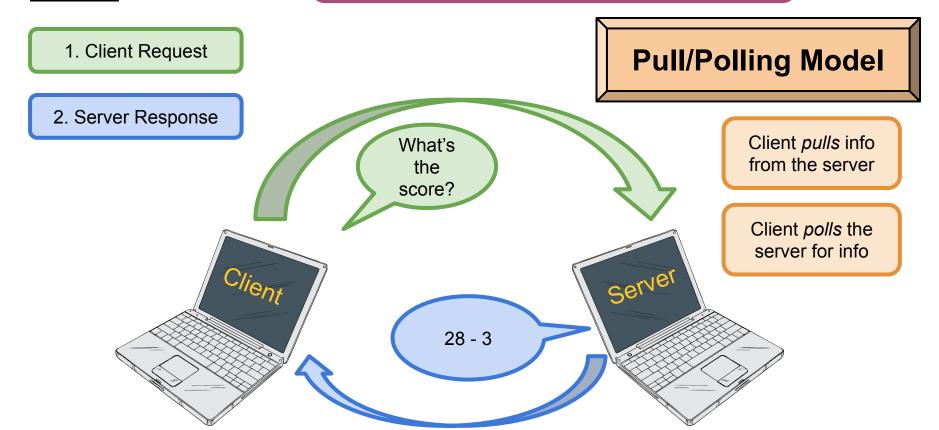
SER 321 Sockets!

Sockets allow our client and server to communicate!



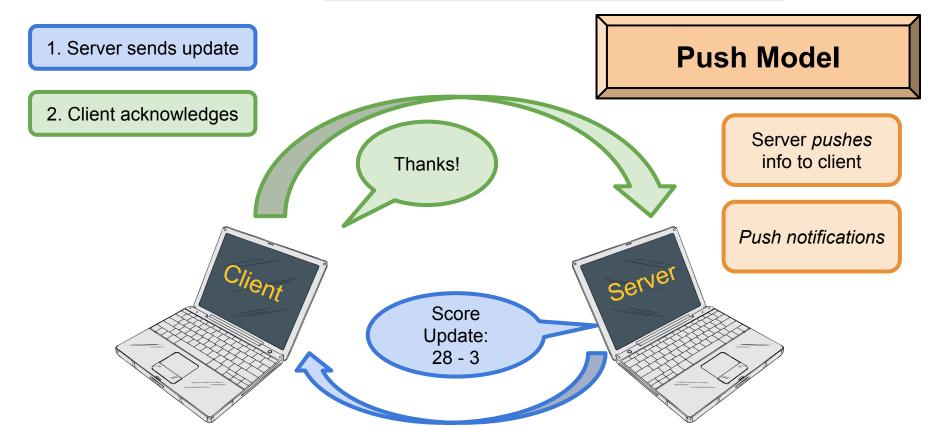
SER 321 Sockets!

Two Main Conversation Models



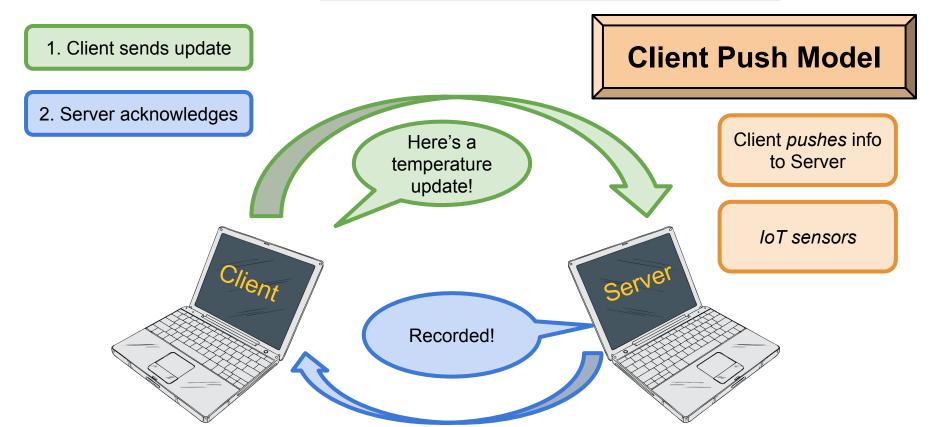


Two Main Conversation Models





Two Main Conversation Models



SER 321 Client Socket

Steps for the Client Socket

1.
2.
3.
4.
5.
6.
7.
8.

SER 321 Server Socket

Steps for the Server Socket

2. 3. 4. 5. 6. 8. 9.

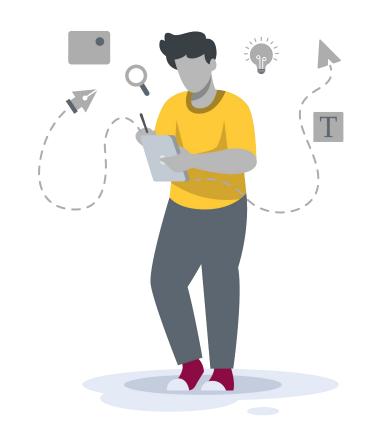
SER 321 Scratch Space

Questions?



Survey:

http://bit.ly/ASN2324



Upcoming Events

SI Sessions:

- Monday, June 3rd at 6:00 pm MST
- Thursday, June 6th at 6:00 pm MST
- Sunday, June 9th at 6:00 pm MST

Review Sessions:

- Review Session Wednesday, July 3rd at 6:00 pm MST (2 hr Session)
- Q&A Session Sunday, July 7th at 6:00 pm MST (Final Session)

More Questions? Check out our other resources!

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Services



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View digital resources

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Access your appointment link

Access the drop-in queue

Schedule Appointment



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Online Study Hub

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View digital resources

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- 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

Select a subject
- Any -







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
- javax.swing package API
- Swing Tutorials