SER 321 B Session

SI Session

Sunday, March 30th 2025

7:00 pm - 8:00 pm MST

Agenda

{
- JSON Hands-On Practice
- Assignment 3-2 GUI Walkthrough
- Client vs. Server Intro
- Making your Code Robust

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 Practice

`JSONObject json =`

How would we…

Check for the private member?

`boolean hasprivate =`

Get the private value?

`String isPrivate =`

```json
{
  "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"
  }
}
```

Check out the recording for the discussion and solution!

SER 321
JSON Practice

```json
{
  "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"
  }
}
```

JSONObject json =

How would we…

Get the vite value?

JSONObject dependencies =

Check out the recording for the discussion and solution!

String vite =

Step 1:
Get the `dependencies` Object

Step 2:
Get the `vite` value

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JSON Practice

JSONObject json =

How would we…

Build the json object?

You *could* do it all inline, but let's go one object at a time for clarity

Check out the recording for the discussion and solution!

```json
{
    "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"
    }
}
```

SER 321
JSON Practice

`JSONObject json =`

Check out the recording for the discussion!

Answer:

```json
{
  "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"
  }
}
```

SER 321
JSON Practice

```
JSONObject json =
```

Check out the recording for the discussion!

Answer:

```
JSONObject json = new JSONObject();
json.put("name", "lab3vue_act3_kgrinne3");
json.put("version", "0.0.0");
json.put("private", true);
```

```json
{
  "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 Practice

```
JSONObject scripts =
```

Check out the recording for the discussion!

Answer:

```json
{
  "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"
  }
}
```
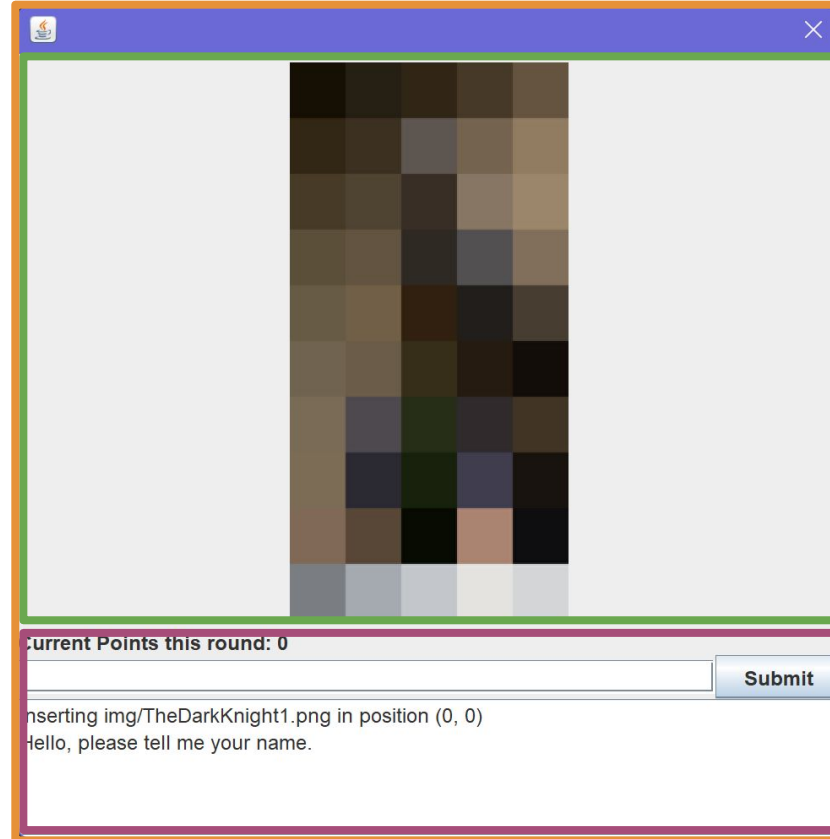
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JSON Practice

```
JSONObject scripts =
```

Check out the recording for the discussion!

Answer:

```
JSONObject scripts = new JSONObject();
scripts.put("dev", "vite");
scripts.put("build", "vite build");
scripts.put("preview", "vite preview");
json.put("scripts", scripts.toMap());
```

```json
{
  "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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Assignment 3-2 GUI

🌟 GUI Walkthrough 🌟

Frame

Check out the recording for the discussion!

picPanel

outputPanel

Current Points this round: 0

Submit

Inserting img/TheDarkKnight1.png in position (0, 0)
Hello, please tell me your name.

ClientGui
Points of Interest!

Line	Client GUI Item
58	Constructor
86-105	Initializing Game State
114	show()
139	insertImage()
(154)	OutputPanel.appendOutput()
165	submitClicked()

Line	Panel Item
139	OutputPanel - getInputText()
147	OutputPanel - setPoints()
171	OutputPanel - appendOutput()
108	PicturePanel - handleFirstImage()
134	PicturePanel - insertImage()
167	PicturePanel - insertImage()
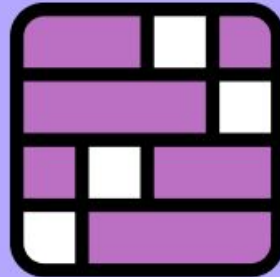
Connections!

SER 321
Scratch Space

Upcoming Events

SI Sessions:

- Tuesday, April 1st at 10:00 am MST
- Thursday, April 3rd at 7:00 pm MST
- Sunday, April 6th at 7:00 pm MST

Review Sessions:

- Sunday, April 27th at **6:00 pm** MST - **2 hour Exam Review Session**
- Tuesday, April 29th, at 10:00 am MST - **Q&A Session**

Questions?

Survey:

https://asuasn.info/ASNSurvey

More Questions?

Check out our other resources!

tutoring.asu.edu

ASU Arizona State University **Academic Support Network**

Services ∨   Faculty and Staff Resources   About Us ∨

University College

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**

Need help using Zoom?

2 – 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

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

Expanded Writing Support Available
Including Grammarly for Education, at no cost!

Activate your Grammarly for Education account now!

Use the button below and we'll use your ASU login to create a Grammarly for Education premium account. See ya on the AI side!

Sign up
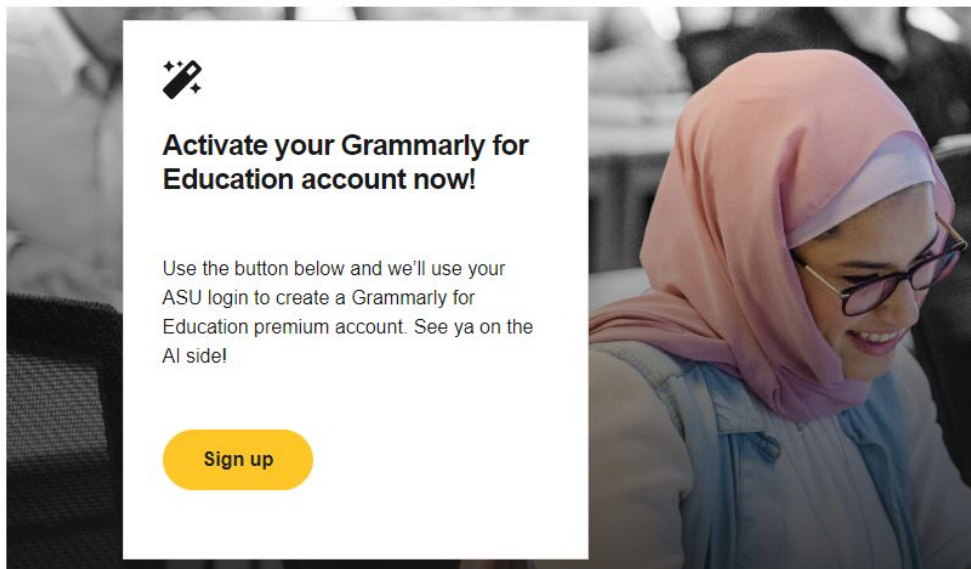
tutoring.asu.edu/expanded-writing-support

*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**