Week 08 – Seminar

Feedback Given

- Labs:
- Include evidence of implementation and experiments
- Reflections:
- include practical evidence and evaluation of labs and materials
- Lecture notes
- Ensure actual documents are uploaded instead of screenshots to show proof of ownership.

How this feedback was addressed

Lecture Notes / Extra Reading/Reflections

All screenshots were deleted and pdfs of the actual word doc were created . At the time of submission the original word docs will also be submitted for further proof

Name	Date modified	Type	Size
Lecture 1-notes	26/11/2025 13:08	Microsoft Edge PDF ...	80 KB
Lecture 2- notes	26/11/2025 13:09	Microsoft Edge PDF ...	88 KB
Lecture 3- notes	26/11/2025 13:09	Microsoft Edge PDF ...	90 KB
Lecture 4- notes	26/11/2025 13:09	Microsoft Edge PDF ...	97 KB
Lecture 5- notes	26/11/2025 13:10	Microsoft Edge PDF ...	106 KB
Lecture 6 - notes	26/11/2025 13:10	Microsoft Edge PDF ...	102 KB
Lecture 7- notes	26/11/2025 13:10	Microsoft Edge PDF ...	186 KB
Lecture 8-notes	26/11/2025 13:10	Microsoft Edge PDF ...	105 KB

Name	Date modified	Type	Size
Extra Reading 01	26/11/2025 13:11	Microsoft Edge PDF ...	94 KB
Extra Reading 02	26/11/2025 13:11	Microsoft Edge PDF ...	90 KB
Extra Reading 04	26/11/2025 13:12	Microsoft Edge PDF ...	105 KB
Extra Reading 05	26/11/2025 13:12	Microsoft Edge PDF ...	82 KB
Extra Reading 06	26/11/2025 13:12	Microsoft Edge PDF ...	157 KB
Extra Reading 07	26/11/2025 13:13	Microsoft Edge PDF ...	112 KB
Extra Reading 08	26/11/2025 13:13	Microsoft Edge PDF ...	94 KB

📕 Reflection - Week 01	26/11/2025 13:04	Microsoft Edge PDF ...	46 KB
📕 Reflection - Week 02	26/11/2025 13:05	Microsoft Edge PDF ...	48 KB
📕 Reflection - Week 03	26/11/2025 13:05	Microsoft Edge PDF ...	79 KB
📕 Reflection - Week 04	26/11/2025 13:05	Microsoft Edge PDF ...	91 KB
📕 Reflection - Week 05	26/11/2025 13:06	Microsoft Edge PDF ...	76 KB
📕 Reflection - Week 06	26/11/2025 13:06	Microsoft Edge PDF ...	72 KB
📕 Reflection - Week 07	26/11/2025 13:06	Microsoft Edge PDF ...	93 KB
📕 Reflection - Week 08	26/11/2025 13:07	Microsoft Edge PDF ...	35 KB

Labs

The labs were fixed to show actual output from the code , to demonstrate successful implementation . This was done under the commit "fixed labs and notes in pdf " in GitHub.

Preview | Code | Blame   287 lines (287 loc) · 7.81 KB

```
In [1]: import string

def check_password_strength(password):
    score = 0

    # Check length
    if len(password) >= 8:
        score += 1
    if len(password) >= 12:
        score += 1

    # Check variety of characters
    if any(c.islower() for c in password):  # lowercase
        score += 1
    if any(c.isupper() for c in password):  # uppercase
        score += 1
    if any(c.isdigit() for c in password):  # numbers
        score += 1
    if any(c in string.punctuation for c in password):  # symbols
        score += 1

    # Simple feedback
    if score <= 2:
        strength = "Weak"
    elif score <= 4:
        strength = "Good"
    else:
        strength = "Strong"

    print(f"Password: {password}")
    print(f"Strength: {strength} (Score: {score}/6)\n")

# Example
check_password_strength("Pass123")
check_password_strength("MyP@ssw0rd")

Password: Pass123
Strength: Good (Score: 3/6)

Password: MyP@ssw0rd
Strength: Strong (Score: 5/6)
```

As well as this, small experiments were done for the labs to demonstrate further understanding of the seminar materials. This was done under the commit "experiments added for labs and week 08 flashcards" in GitHub. All the experiments were put in a folder called EXPERIMENTS

Reflections

Since all the reflections made were mostly theoretical, a new document called "Practical Reflections" was created, outlining the lessons learned from conducting the lab experiments.

The document emphasizes practical learning through code execution, demonstrating how real-world outputs clarify theoretical concepts such as performance trade-offs, security versus usability, and system behaviour under different conditions. Each section includes:

- Observed results from experiments.

- Key insights gained.

- Real-world implications.

- Suggestions for improvement.

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🐙 aisha-bhudye changes made   6a9fdd0 · 20 hours ago   🕐 16 Commits

📁 EXPERIMENTS	fixed lab 04- to show output and added small experiment fo...	20 hours ago
📁 EXTRA READING PDF	fixed labs and notes in pdf	yesterday
📁 LABS	changes made	20 hours ago
📁 LECTURE NOTES PDF	fixed labs and notes in pdf	yesterday
📁 REFLECTIONS PDF	fixed labs and notes in pdf	yesterday
📄 Practical Reflections.pdf	lab 01 pdf and reflections (more practical than theoretical)	yesterday
📄 README.MD	experiments added for labs and week 08 flashcards	yesterday