AI Study-Aid Review Checklist

One pass before a generated study aid reaches a learner: ground the model in the transcript, verify every claim against the source, check completeness and emphasis, favour self-testing, and make each aid trackable.

A. Grounding

- [ ] Generate with extract-then-abstract or retrieval (RAG), not free recall
- [ ] Feed the transcript in chapter-sized chunks, not one giant block
- [ ] Make every summary line and flashcard cite the timestamp it came from

B. Accuracy

- [ ] Verify every claim, number, and answer key against the source transcript
- [ ] Reject any sentence that cannot be traced to the lecture (likely a hallucination)
- [ ] Check no 'do not' was flipped to 'do' and no figure was invented

C. Completeness & emphasis

- [ ] No essential point the lecturer stressed was dropped from the summary
- [ ] A long tangent was not over-weighted as a key takeaway
- [ ] Aids foreground the learning objectives, not what was repeated most

D. Pedagogy & tracking

- [ ] Frame the summary as navigation/review — not a replacement for the lecture
- [ ] Steer learners toward self-testing flashcards with spaced review
- [ ] Label aids as AI-generated; meet WCAG 2.1 AA contrast and structure
- [ ] Emit each aid as an xAPI statement with a stable id (reviewed / answered / seeked)



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This checklist reviews AI summaries and study aids before learners see them. Our seven-volume handbook covers the video stack behind learning products; start with Volume 3 for players, chapters and QoE, then Volume 4 for audio and accessibility and Volume 1 for encoding lecture video.

WHAT YOU WILL FIND INSIDE

- Chapters, trick play and player UX (Vol. 3)
- Speech quality and accessibility (Vol. 4)
- Subtitles and transcripts in players (Vol. 3)
- Encoding lecture and screen content (Vol. 1)

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