Unit 1 Assignment: IDD Check, LMS Declaration, and Storyboard Sketch

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1. Instructional Design Document (IDD)

My completed IDD is here: https://techfoundations.ai/learn/coursework/idd

My minicourse is Digital Foundations, a short, mobile-first course for non-technical working adults who want to get ready to use AI tools. I designed it around two learners: Maria, a busy office manager, and Devon, a warehouse lead learning on his phone between shifts. The premise is simple. Before people can use AI safely, they need to be comfortable with their own devices and data first. The course is hands-on and every outcome sits at the Apply level: learners set up a password manager, turn on two-factor login, back up their files, and learn what is safe to share with an AI tool before they paste anything in. The IDD carries the full analysis, the course learning outcomes, the ADDIE and Dick and Carey alignment work, and the UbD capstone.

2. LMS Declaration

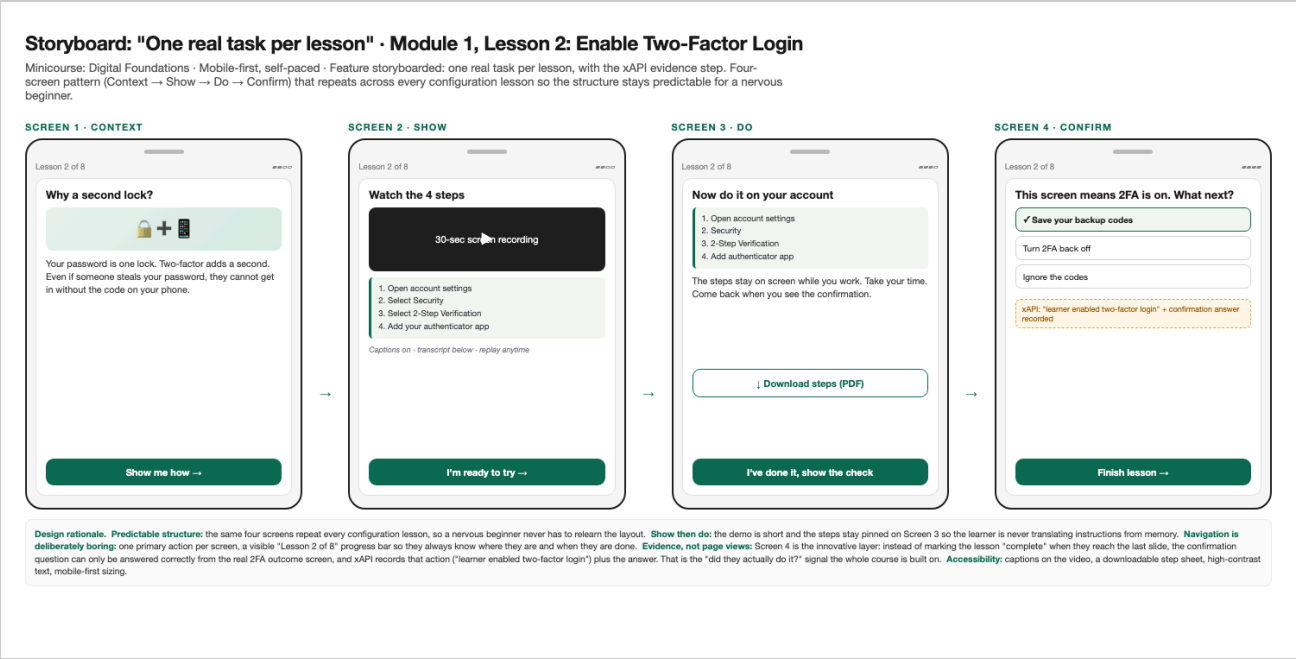
For my minicourse I chose to build my own platform rather than adopt a ready-made LMS, and I track learning with xAPI. I researched the options covered in this unit, including TalentLMS, Canvas, Cornerstone, and Google Classroom. They are all strong, and a few were close, but they share one limit that matters for this course: their tracking tells me a learner completed a module, not whether the learner actually did the task. For a course built entirely on concrete actions, I needed to know if someone really turned on two-factor login, not just that they reached the last slide. xAPI lets me record specific actions, such as "learner enabled two-factor login," so I can see what is working and fix what is not. Building my own platform also gave me full control over a mobile-first, step-by-step experience for people who are nervous about technology, which is exactly who this course serves. As background, I use D2L Brightspace as a student in this program, and at work I have built and run courses in Bridge LMS, Google Classroom, and 360Learning. A ready-made LMS would have been the easier choice, but I wanted to bridge the shortcomings of the ones I have used. My main support is the xAPI community rather than one vendor help center: the ADL Initiative xAPI documentation (ADL created the standard) and Rustici Software's xAPI guides (the clearest plain-English explanations of how the pieces fit together).

3. Storyboard and Wireframe for a Minicourse Feature

Feature selected (from my Unit 1 discussion): one real task per lesson, with the xAPI evidence step.

Where it lives: Module 1, Lesson 2, Enable Two-Factor Login.

Tool: built as a mobile-first wireframe and exported to image.



How learners engage, navigate, and interact. The lesson uses a four-screen pattern that repeats across every configuration lesson, so the structure becomes predictable. On Screen 1 (Context) the learner gets one plain reason the task matters and a single button. On Screen 2 (Show) a thirty-second captioned screen recording walks the four steps, with a transcript and replay. On Screen 3 (Do) the same step list stays pinned on screen while the learner performs the task on their own phone, with a downloadable step sheet for anyone who prefers to work from paper. On Screen 4 (Confirm) the learner answers one question that can only be answered correctly from the real two-factor confirmation screen, and the platform records both the action and the answer through xAPI. Each screen has exactly one primary action, and a "Lesson 2 of 8" progress bar is always visible so the learner knows where they are and when they are done.

How the design enhances learning. The predictable four-screen rhythm lowers cognitive load for a nervous beginner, because they never have to relearn the layout from lesson to lesson. Showing the steps and then keeping them pinned during practice means the learner is never translating instructions from memory. The navigation is deliberately plain, one action per screen, so all of the learner's attention goes to the task rather than the interface. The innovative layer is Screen 4: instead of marking the lesson complete when the learner reaches the last slide, the confirmation question is tied to the real outcome and xAPI captures the actual action. That is the evidence of doing, not just viewing, that the whole course is built around. Accessibility is built in throughout, with captions on the video, a downloadable step sheet, high-contrast text, and mobile-first sizing.

References

ADL Initiative. (n.d.). *xAPI specification and documentation*. Advanced Distributed Learning Initiative. https://adlnet.gov/projects/xapi/

Rustici Software. (n.d.). *xAPI resources*. https://xapi.com/