

Advanced Workshop

Frontier mapping, complex builds, group debugging clinic, verification, teach-back, workflow playbook.

DURATION 4 hr (1 break)

AUDIENCE Experienced builders

PREREQ Course 3 + 1 deployed tool

4

COURSE 4 · FACILITATOR PACK

0:00-0:30 M1 Frontier Mapping 30 MIN · SILENT	0:30-1:30 M2 Complex Build (Readiness) 60 MIN · BUILD	1:30-1:40 Break 10 MIN	1:40-2:20 M3 Debug Clinic 40 MIN	2:20-2:50 M4 Verification & QA 30 MIN	2:50-3:20 M5 Teach-Back 30 MIN	3:20-3:50 M6 Workflow Playbook 30 MIN
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PRE-SESSION PREP

Done 48 h before; verified at T-30 min

- **Gate-check the roster.** Every attendee has a deployed tool URL on file (collected at Week 3). Pull anyone without one to a 1:1 catch-up — do not let them sit through M2.
- **Tabs & portals.** Deck, this pack, the Week 4 hand-out pack ([../decks/week-4-handouts.html](#)) (frontier-map starter, SOP QA drill, playbook template), GenAI.mil, Power Apps + Power Automate.
- **Sample data for M2.** An Excel *Training* file, a CSV *Equipment* export, and an Alpha Roster snippet pre-staged in a OneDrive folder linkable from chat.
- **Bug bank.** Keep three real prompt-failures from Week 3 chat ready for M3 if no one volunteers a clinic case.
- **Teach-back pairs** drafted from the roster (mix experience levels). Reveal at the start of M5.

LIVE HAND-OFF CUES

Frequent switches; the deck holds the architecture

- **0:00 · Slide 10.** Drop the frontier-map starter from the hand-out pack into chat. Set silent timer 15 min.
- **0:30.** Deck → Power Platform. Pin the Readiness Dashboard spec slide in a side tab.
- **1:40 · Debug Clinic.** Switch from your screen to a *student's* screen-share. You coach, you do not type.
- **2:50 · Slide 28.** Drop the SOP QA drill chat-paste block. Pairs work in breakout rooms; rotate every 7 min.
- **3:20 · Slide 35.** Drop the Workflow Playbook blank template. Each builder fills one playbook for one of *their* tools.

EXERCISE & ACTIVITY PROMPTS

Read these to the room verbatim

- M1 · Frontier Mapping (15 min silent + 15 share).** “Four columns: *Category, Inside the frontier, Outside the frontier, Moving.* Fifteen minutes silent. Use the starter from the hand-out pack. Then we share — one row per builder.”
 - M2 · Unit Readiness Dashboard (60 min).** “Spec: a single Power Apps screen that pulls Training (Excel), Equipment (CSV), and Alpha Roster. Show readiness % per Marine, with a drill-down. Decompose first — on paper — for ten minutes before you touch AI.”
 - M3 · Debug Clinic (40 min).** “Three students, ten minutes each. Share your screen, show your bug, walk us through your prompt history. The room diagnoses. The original builder retypes the fix — nobody else touches the keyboard.”
 - M4 · SOP QA Drill (30 min).** “Take the AI-drafted SOP from the hand-out pack. Find the three confident hallucinations. Pairs, seven-minute rotations. We score as a room at the end.”
 - M5 · Teach-Back (30 min).** “In your assigned pair, you have eight minutes to teach the other person *one* technique you mastered this course. They will repeat it back. If they cannot, you have not taught it yet.”
 - M6 · Workflow Playbook (30 min).** “Pick one of your own tools. Fill the playbook template: *trigger, inputs, steps, verification, fallback, owner.* This becomes your unit’s hand-off doc.”
- ANCHOR PHRASE** “Coach the re-prompt. Never type the fix.”

WHEN THIS GOES SIDeways

Top failure modes & recovery

- **No one volunteers for the Debug Clinic.**
→ Cold-call the bug bank: pick a real Week 3 chat error and project it. Run it as a fishbowl.
- **A builder demands you type their fix during M3.**
→ Refuse. “If I type it, you don’t learn it. Re-prompt with these three changes.” Walk away from their keyboard.
- **Frontier map turns into venting about tool restrictions.**
→ Re-anchor: “Map the world as it is, not as you wish it. Restrictions go in *Outside.*” Capture the restriction list separately for the program lead.
- **Power Fx vs WDL vs DAX errors stall the room.**
→ Project the language matrix from Slide 22. Ask “Which language is this surface?” before any re-prompt.
- **Teach-back pairs are silent / awkward.**
→ Force a deliverable: “In ten minutes I want one slide each — the technique, when to use it, when not to.” Pressure produces dialogue.

POST-SESSION HOMEWORK

Issue at Slide 38, before logoff

- **Submit the playbook** from M6 to the unit shared library by EOW. One per builder, no exceptions.
- **Run a teach-back at your section** within 14 days. Five minutes, one technique, witnessed by your supervisor.
- **Update the unit Frontier Map.** Merge your M1 entries into the shared map. Flag any “Moving” items to the program lead.
- **Capstone gate.** To attend Week 6 (Full-Stack), submit a brief proposal: which problem you’ll ship end-to-end. Due 7 days before Week 6.

Advanced Workshop — class links

Every URL the Week 4 deck cues you to drop into Microsoft Teams chat. Read aloud or type into the chat — no copy buttons since this is the printed pack.

DECK MATERIALS

The four files instructors typically share at the start of the four-hour workshop.

Week 4 Student Handout

When: Drop in chat at session start so students have the workshop prompts ready.

<https://jeranaias.github.io/ExpertDrivenDevelopment/handouts/week-4-advanced.html>

Week 4 Facilitator Pack (HTML)

When: Send to a co-facilitator running the Module 3 group debugging clinic.

<https://jeranaias.github.io/ExpertDrivenDevelopment/facilitator/week-4-advanced.html>

Week 4 Facilitator Pack (PDF)

When: Email-friendly one-pager.

<https://jeranaias.github.io/ExpertDrivenDevelopment/facilitator/pdf/week-4-advanced.pdf>

Week 4 PowerPoint deck

When: For instructors who present from PowerPoint or want to edit the slides locally.

<https://jeranaias.github.io/ExpertDrivenDevelopment/pptx/week-4-advanced.pptx>

Week 4 slide deck (HTML)

When: For students who missed the live session.

<https://jeranaias.github.io/ExpertDrivenDevelopment/decks/week-4-advanced.html>

FACILITATOR HAND-OUT CHAT BLOCKS

The Week 4 deck cues three chat-paste blocks live on stage. They live on a dedicated facilitator page with copy buttons so you can paste them in seconds.

Week 4 Facilitator Hand-Outs (chat blocks)

When: Slides 10, 28, and 35 each cue you to drop a starter block into chat: the frontier-map starter for Module 1, the AI-generated SOP excerpt for the Module 4 QA drill, and the workflow playbook template for Module 6. This page bundles all three with one-click copy buttons.

<https://jeranaias.github.io/ExpertDrivenDevelopment/decks/week-4-handouts.html>

REFERENCE DOCS

Files to surface during the Module 4 SOP QA workshop and the Module 6 workflow playbook close.

QA Checklist template

When: Slide 28's timed QA review runs against the QA checklist — share so students can mark up their own pass.

<https://jeranaias.github.io/ExpertDrivenDevelopment/templates/qa-checklist.md>

Documentation Package Outline

When: Drop during the Module 6 close so students take a real workflow playbook home.

<https://jeranaias.github.io/ExpertDrivenDevelopment/templates/documentation-package-outline.md>

EDD SOP (PDF)

When: The canonical SOP — useful as the source of truth when QA-ing AI output against the real procedure.

https://jeranaias.github.io/ExpertDrivenDevelopment/pdf/SOP_Expert_Driven_Development_v5.pdf