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Course project

Module 8

FEBRUARY 2026

Module 08: Project Development Sprint

10-Hour AI-Native Delivery

This module's schedule:

Phase	Duration
Kickoff	20 min
Project Work	8.5 hours
Documentation	30 min
Showcase	40 min

Your Journey So Far

Module	Skill	Artifact
01	Precision Principle	Precise prompts
02	Spec Hierarchy	PRD, Stories
03	Context Engineering	Memory Banks
04	Architecture Decisions	ADRs
05	MCP Integration	Connected tools
06	SpecKit Framework	Living specs
07	Testing Guidelines	Constitution with Testing Principles

TIME TO APPLY WHAT YOU LEARNED

InnovatEPAM Portal - Phase 1 MVP

Your Target: Complete Phase 1 MVP (~4-6 hours)

```
Phase 1: MVP
  └── User Management
      ├── Authentication (register, login, logout)
      └── Role distinction (submitter vs admin)
  └── Idea Submission
      ├── Form (title, description, category)
      ├── Single file attachment
      └── Idea listing view
  └── Evaluation Workflow
      ├── Status tracking (submitted → under review → accepted/rejected)
      └── Admin accept/reject with comments
```

Success = Working MVP

- User can register, login, submit idea
- Admin can evaluate and decide
- Complete workflow from submission to decision

Phases 2-7: Iterative Development

After MVP, Continue Iterating

- **Phase 2:** Smart Submission Forms (~30-60 mins)
- **Phase 3:** Multi-Media Support (~45-60 mins)
- **Phase 4:** Draft Management (~30-60 mins)
- **Phase 5:** Multi-Stage Review (~1-2 hours)
- **Phase 6:** Blind Review (~20-45 mins)
- **Phase 7:** Scoring System (~20-45 mins)

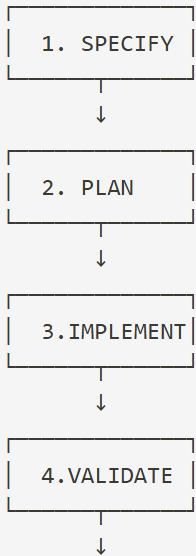
All 7 Phases = Complete InnovatEPAM Portal

Key Points:

- Each phase builds on previous work
- Requirements in [course-project/participant/phase-XX-*/requirements.md](#)
- Continue after course if needed

The Workflow You've Mastered

Spec-Driven Development Cycle



The 4-Step Process

1. SPECIFY

- Spec → Plan → Tasks

2. TEST

- Make sure your constitution has testing guides

3. IMPLEMENT

- AI generates code from specs + tests

4. VALIDATE

- Run tests, verify, review, commit

This is YOUR workflow now. Use it.

Common Pitfalls to Avoid

Learn from Others' Mistakes

Pitfall 1: Skipping the Workflow

- ✗ "I'll just code without specs" (vibe coding relapse)
- ✓ Spec → Plan → Implement → Validate

Pitfall 2: Scope Creep

- ✗ Jumping to Phase 5 before Phase 1 is done
- ✓ Complete MVP first, then iterate

Pitfall 3: Suffering in Silence

- ✗ Stuck for 30+ minutes without asking for help
- ✓ Post in Teams or flag at standup

Pitfall 4: Poor Time Management

- ✗ Perfecting auth while form isn't started
- ✓ Balance time across MVP components

Pitfall 5: Skipping Demo Prep

- ✗ "I'll figure it out later"
- ✓ Use the 30-min documentation phase

Standup Schedule & Help Channels

Standup Schedule (15 min each)

- Standup 1 (+2 hours): Auth working, form started
- Standup 2 (+4 hours): Form + file attachment working
- Standup 3 (+6 hours): Listing + status tracking
- Standup 4 (+8 hours): MVP nearly complete

Commit Frequency

- Share your git repo with us
- Push at least every hour
- We monitor repos to identify who needs help

Help Channels

Teams Help Channel

- Blockers, async questions

Main Call

- Quick questions, company

Breakout Rooms

- Focused work

GO!

Final Checklist

Before You Start:

- You are ready from Modules 01-07 
- New -InnovatEPAM Portal repository created
- **Repository link shared with instructors**
- AI assistant ready! 
- Have speckit-guide.md handy incase if you need it.
- Post about your progress to teams channel, screenshots, learnings.
 - Let's share our experience and learn from each other.

Your 10 Hours Starts NOW

Remember:

- MVP first (Phase 1)
- Then iterate through Phases 2-7
- Standups every 2 hours
- Ask for help when stuck
- Push commits every hour

Build something amazing!

Sprint in Progress

You're Building! 

Current Status

- **Elapsed:** Timer
- **Next Standup:** Time

Quick Reminders

-  Spec → Test → Implement → Validate
-  Push commits every hour
-  Stuck? Teams Help Channel or ask at standup
-  Take breaks when needed

Facilitators Available

We're monitoring repos and Teams

Standup 1 (+2 hours)

Progress Check

Expected by now:

- Auth working (register, login, logout)
- Basic form started
- Project structure in place

Quick Round-Robin (1 min each)

"Name + current progress + blocker (if any)"

Assessment Questions

- "Who has auth working?" 🤷‍♂️
- "Who has form started?" 🤷‍♂️
- "Anyone blocked?" 🤷‍♂️

If Behind

Focus on auth first - that's required for everything else.

Next Standup: +4 hours (Midpoint)

Standup 2 - Midpoint (+4 hours)

Midpoint Progress Check

Expected by now:

- Auth complete
- Idea submission form working
- File attachment working
- Starting listing view

Quick Round-Robin

"Name + current progress + blocker"

Assessment Questions

- "Who has auth + form working?" 
- "Who's starting file attachment?" 
- "Who's concerned about finishing MVP?" 

If Behind

Prioritize: (1) Auth working, (2) Form working These are required for a demo.

Next Standup: +6 hours

Standup 3 (+6 hours)

Home Stretch Progress Check

Expected by now:

- Auth complete
- Idea submission + file attachment
- Idea listing working
- Status tracking started
- Evaluation workflow started

Quick Round-Robin

"Name + current progress + blocker"

Assessment Questions

- "Who has listing working?" 
- "Who has evaluation workflow started?" 
- "Who needs emergency help?" 

Focus for Next 2 Hours

Wrap up current features. Don't start new ones.

Next Standup: +8 hours (Final)

Standup 4 - Final (+8 hours)

Final Progress Check

Expected by now:

- MVP nearly complete or complete
- Core workflow working (submit → evaluate)
- Ready to transition to documentation

Quick Round-Robin

"Name + what you completed + what's left"

Celebrate Completions! 🎉

- Acknowledge everyone's hard work
- Progress at any level is achievement

Transition Announcement

"30 more minutes to wrap up code, then STOP CODING." "After that: 30 min documentation, 40 min showcase." "Start thinking about your demo."

Stop Coding!

CODING PHASE COMPLETE

Final Actions (5 min)

1. Commit all changes
2. Push to repository
3. Close your IDE (yes, really!)

Take a Break

- Stand up, stretch
- Hydrate
- Quick celebration: You built something!

Next Phase Starting in 5 Minutes

Documentation & Demo Prep (30 min)

Documentation Time

Create PROJECT_SUMMARY.md (20 min)

Template location: [course-project/participant/final-deliverables.md](#)

Required Sections:

1. **Overview** - What you built (2-3 sentences)
2. **Phases Completed** - Checklist of features
3. **Technical Decisions** - Stack, key choices
4. **Challenges & Solutions** - What you overcame
5. **Reflection** - Key learning, what you'd do differently

Prepare Your Demo (10 min)

- Plan 3-minute demo flow
- Test that demo works
- Note 1 key learning to share

PROJECT_SUMMARY.md Template

```
# InnovatEPAM Portal - Project Summary  
## Overview  
[2-3 sentences describing what you built]
```

Phases Completed

```
#### Phase 1: Core Portal  
- [ ] User registration/login  
- [ ] Idea submission form  
- [ ] File attachment  
- [ ] Listing view  
- [ ] Evaluation workflow
```

Phases 2-7

```
- [ ] [Phase number - Feature]
```

Technical Decisions

```
- Framework: [Your choice]  
- Storage: [Your choice]  
- Key Libraries: [List]
```

Challenges & Solutions

Challenge 1: [Description]

```
**Solution:** [How you resolved it]
```

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...

```
#### Key Learning
```

Prepare Your Demo

Demo Format (up to 10 minutes each)

Segment	Time	Content
Intro	30 sec	Your name, what you built
Live Demo	2 min	Walk through working features
Key Learning	30 sec	One insight from the experience

Demo Tips

- Have test data pre-loaded (don't register live)
- Practice the flow once
- Show features you're proud of
- Be honest about challenges

If Demo Breaks

- Show your specs or tests instead
- Explain what should work
- The journey matters, not perfection

Lightning Demos Begin

Showcase Format

5 Presenters × 3-5 minutes each = 25 minutes

Demo Structure

- 1. Intro** (30 sec) - Name, what you built
- 2. Live Demo** (2 min) - Show working features
- 3. Key Learning** (30 sec) - One insight

As Presenter

- Keep it brief (3-5 min)
- Focus on working features
- Be honest about challenges
- Share genuine learnings

As Audience

- Listen actively
- Celebrate accomplishments
- Note interesting approaches

Presenter Name - Demo in Progress

Currently Presenting

Presenter: Name Time Remaining: 3:00 countdown

Audience: Focus and engage

Course Retrospective

Reflect on Your A201 Journey

Discussion Questions:

1. What worked well?

- Which practices will you keep?
- What tools were most valuable?

2. What surprised you?

- About AI-native development?
- About your own capabilities?

3. What will you do Monday at work?

- First practice to apply?
- First conversation to have?

Share Your Thoughts

Open discussion - everyone can contribute

Your Transformation

Module 01 → Module 08

Before (Module 01)	After (Module 08)
Vibe coding	Spec-driven development
Imprecise prompts	Precision principle
Ad-hoc context	Engineered context
Hope it works	Know it works (tests)
Isolated AI	Integrated toolkit
Trial and error	Structured workflow

You Are Not the Same Engineer

From: Hoping AI produces something useful **To:** Engineering AI to produce exactly what you need

Congratulations!

You've Completed A201: Beyond Vibe Coding

What You've Accomplished

- Mastered spec-driven development
- Built a working InnovatEPAM Portal
- Transformed your AI collaboration approach

Before You Go

- Complete post-course survey (link in chat)
- Push final code to repository
- Connect with cohort (exchange contacts)
- Continue building Phases 2-7

Next Steps

- Apply these practices at work Monday
- Share learnings with your team
- Consider A202 for advanced topics

Thank You & Congratulations! 