

Scan to ask questions





Cursor Meetup Riyadh

May 28, 2025

Welcome to the Future

Our Partners



Hosting Partner



Community Partner

Agenda

Part 1

7:00pm



Meetup Introduction

@ma7dev

7:15pm



Cursor Team Talk & Q&A

@danperks_

7:30pm



Everything About Cursor

@ma7dev

8:00pm



Break

10 minutes

Part 2

8:10pm



Local Models w/ Cursor

@AbdoMosaibah

8:30pm



Memory Bank & Adv. Usage

@ma7dev

9:00pm



Networking

9:30pm



Event End

Meetup Introduction



Setting the stage for our Cursor journey




Mazen Alotaibi

Senior ML Engineer at Malaa Technologies

MSc AI and BSc CS from Oregon State University

2023 PyTorch Ambassador Award & Cursor Ambassador

Accelerating technology and AI development in 

ma7.dev | @ma7dev



Malaa

👁️ Next Chapter

deepqoc.SA

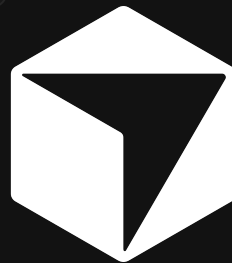
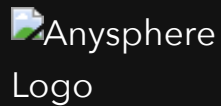
Cursor

Anysphere (parent company)

- \$9B valuation (May 2025)
- \$900M funding raised
- Fastest-growing AI startup

Cursor (the product)

- AI-native code editor
- Built on VS Code foundation
- ~1B lines of code generated daily



Why This Meetup?



Knowledge Sharing

Learning from global best practices



Developer Community

Building a strong local AI development ecosystem



Innovation Hub

Positioning Riyadh as an AI development center



Vision 2030

Aligning with Saudi Arabia's tech transformation

What to expect

In-person

- Talks by local experts
- Hands-on workshops
- Networking opportunities

On Discord

- Sharing knowledge, tips, and tricks
- Virtual hackathons (with prizes)
- Community discussions



Cursor Team Talk



Direct insights from the Cursor engineering team



Dan Perks

Dan Perks

User Operations at Anysphere

Working to improve Cursor's user experience from end to end

Everything About Cursor



Deep dive into Cursor's capabilities and practical usage

How LLMs Work (The Basics)



Input

Your prompt +
context



Model

Neural network
predicts next
tokens



Output

Generated
code/text

LLMs in Code Editors Made Simple

You Say:

"Make this button green"

AI Sees:

Your code + files + request

AI Thinks:

"Based on patterns, this needs CSS changes"

AI Delivers:

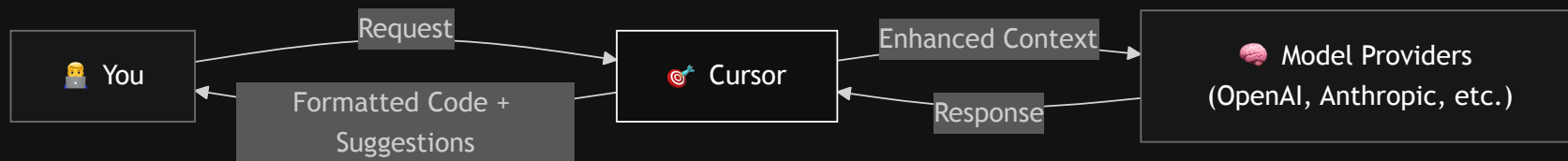
Updated code with green button

The Secret

Better Context = Better Results

- Include relevant files
- Describe your goal clearly
- Show error messages
- Provide examples when helpful

Cursor: The Smart Middle-Man



Core Cursor Features

★ **Cursor Tab**

Next-gen autocomplete

- Multi-line suggestions
- Cross-file awareness
- Fusion Tab Model

📄 **CMD+K**

Inline code magic

- Quick edits
- Natural language commands
- Instant refactoring

💬 **Chat**

AI coding partner

- Four powerful modes
- Contextual assistance
- Background agents



Agent Mode

- Autonomously learns codebase
- Makes codebase-wide changes
- Background processing
- Perfect for large refactors



Manual Mode

- Focused edits with your context
- Full control over AI visibility
- Perfect for sensitive code
- Precise, controlled assistance



Ask Mode

- Get code explanations
- Plan new features
- Understand complex logic
- Educational and exploratory



Custom Mode









- Create workflow-specific modes
- Tailor AI behavior to team needs
- Unlimited customization
- Enterprise-ready configurations

Chat Modes Deep Dive

Chat Modes by Autonomy vs Control

	Low Control	High Control
High Autonomy	Custom Mode	Agent Mode
Low Autonomy	Manual Mode	Ask Mode

Features

-  **Context Enhancements:** Smarter file and directory inclusion
-  **Docs:** Enable AI to use human-readable documentation as context
-  **Rules:** Set up user-specific or project-specific rules to guide AI behavior
-  **AI Commit Messages:** Intelligent git commit generation
-  **Checkpoints:** Restore previous states easily
-  **Multi-Root Workspaces:** Manage multiple repositories
-  **Model Context Protocol (MCP):** Interact with external tools
- (NEW)  **Background Agent:** Parallel task execution (linting, testing, docs)
- and much more...

Live Demo

Cursor in action

Common Pitfalls to Avoid

1. **✗ Vague requests** without sufficient context
2. **✗ Ignoring error messages** and logs in your requests
3. **✗ Not using project rules** to guide AI behavior
4. **✗ Overwhelming AI** with irrelevant information
5. **✗ Expecting perfection** on first try - iterate!
6. **✗ Not exploring models** - each has its strengths

Best Practices & Tips

1. 🎯 **Context is King:** Provide clear, relevant context
2. 🔍 **Provide error messages:** AI can't fix what it doesn't know about
3. 📋 **Use Rules:** Set up project-specific guidelines
4. 🔍 **Leverage @ Symbols:** Be explicit about what you want
5. 🔄 **Iterate:** Start broad, then refine your requests
6. ✍️ **Experiment:** Try different models for different tasks

Pricing

Hobby

Free

Includes:

- Pro two-week trial
- 2,000 completions per month
- 50 slow requests per month

Pro

\$20/month

Everything in Hobby, plus:

- Unlimited completions
- 500 fast requests per month
- Unlimited slow requests
- Max Mode (useful for large codebases and complex tasks)

Business

\$40/user/month

Everything in Pro, plus:

- Enforce privacy mode org-mode
- Centralized team billing
- Admin dashboard with usage stats
- SALM/OIDC SSO

Cursor for Students: Free for 1 year with academic email

Source: [Cursor.com](https://cursor.com), May 2025 | Enterprise plans available with custom pricing

Break Time 



Local Models with Cursor



Running AI models locally with Cursor - Demo by @AbdoMosaibah

Memory Bank & Advanced Usage



Using Cursor for everything - Demo by @ma7dev

This Section Has Two Parts



Memory Bank

Giving Cursor Agent the steering wheel
(vibe-coding)



Advanced Usage

Using Cursor for everything
(beyond coding)

What is Memory Bank?



Concept

- Inspired by Cline Memory Bank
- Gives LLMs more context to plan and act
- Human-readable AI contract
- Updates and evolves over time



Purpose

- Persistent project knowledge
- Context that survives sessions
- Intelligent task planning
- Continuous learning from progress

Memory Bank: Three Parts



Setup

Define project foundation



Planning

Initialize & review progress



Execution

Implement & update

Part 1: Setup

Foundation Building



Define Project Description

- Project goals and objectives
- Technical requirements
- Architecture decisions
- Team conventions



Iterate & Refine

- Use Cursor Agent to help
- Refine based on feedback
- Update as project evolves
- Keep it human-readable

Part 2: Planning

Strategic Thinking



Model Choice

- o3 (expensive but powerful)
- Sonnet-4 (balanced option)
- Choose based on complexity



Process

1. Initialize memory bank with Agent
2. Review memory bank content
3. Iterate & refine memory bank (especially progress)

Part 3: Execution (Sonnet-4)

1. Start Fresh

Always start with a new chat

2. Implement and interact w/ AI

- Start with progress context
- Review changes actively
- Interact with AI

3. Complete & Update

- Review git changes
- Take code ownership
- Update memory bank before next task

Live Demo

Memory Bank in Action

Using Cursor for Everything



Development

- Code generation & refactoring
- Bug fixing & debugging
- Documentation writing
- Test creation



Beyond Code

- Technical writing
- Architecture planning
- Code reviews
- Learning new technologies



Team Workflows

- Onboarding new developers
- Code style enforcement
- Knowledge sharing
- Project standardization

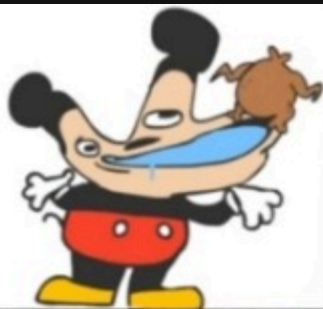


Advanced Usage

- Custom model integration
- Workflow automation
- Multi-project management
- Performance optimization

Q) Does anyone use Obsidian?

Q) Does anyone use Perplexity?



Live Demo

Obsidian + Perplexity + Cursor

Next Steps & Resources



Try Cursor

Download and start your free trial



Join Community

Discord, forums, local groups



Learn More

docs.cursor.com for comprehensive guides



Future Meetups

Monthly sessions with advanced topics

Thank You! 🙏

Let's Connect & Build Together

@ma7dev & @AbdoMosaibah

Follow for more AI development insights



Networking Time! 🤝

Let's build the future together



Cursor Official



Cursor Meetup Riyadh