

Al Code Generation (WIP)

Line Completion

– Chat Prompt

Edit Mode





Al Coding Statistics

- 46% of Devs currently use GitHub CoPilot (JetBrains '24)
- 76% of Devs actively use or plan to use AI (Stack Overflow Survey '24)
- 75-85% of Devs will work AI tools by 2028 (Gartner)

Line Completion

Github CoPilot https://github.com/features/copilot





Chat Prompt

ChatGPT https://chatgpt.com/

Claude https://claude.ai/

Gemini https://gemini.google.com/

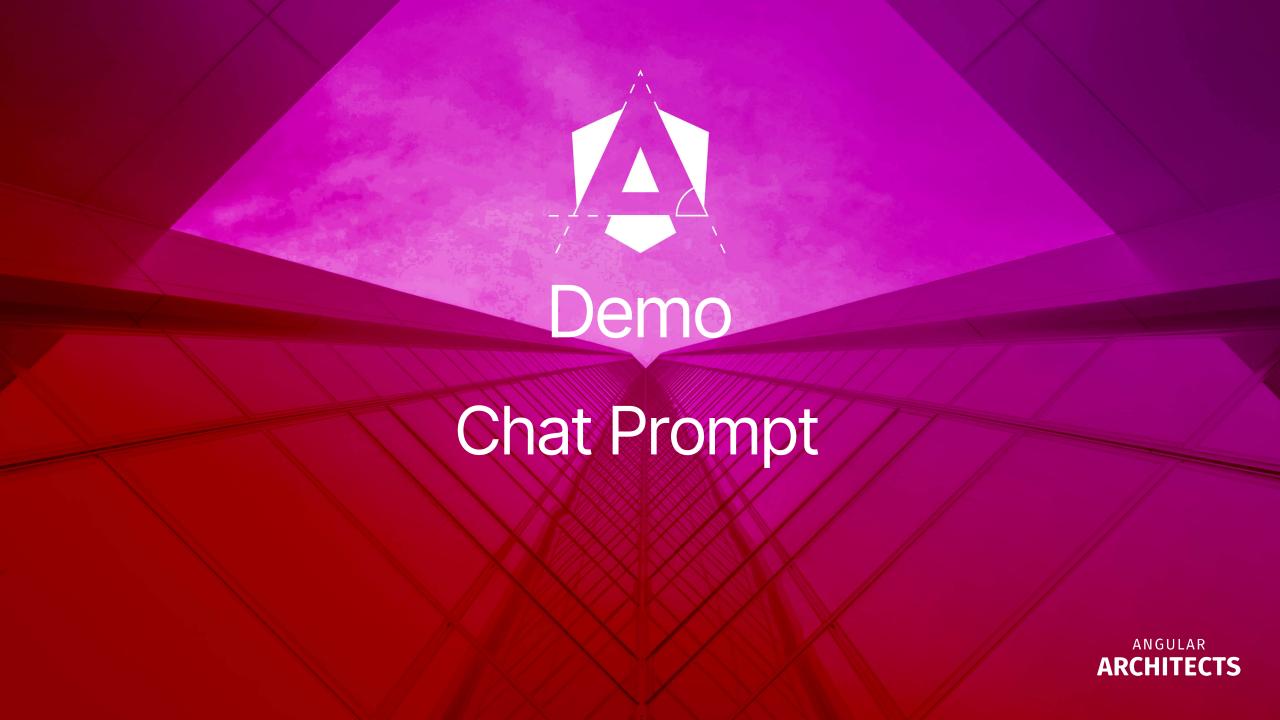
Grok https://grok.com/



LLM Prompt Instructions

- By Angular Team
 - https://angular.dev/llms.txt
 - https://angular.dev/llms-full.txt
- By community (Daniel Sogl)
 - https://www.codingrules.ai/rules/angular-v19-development-standardsand-best-practices
- By myself based upon my coding style guide
 - WIP ©

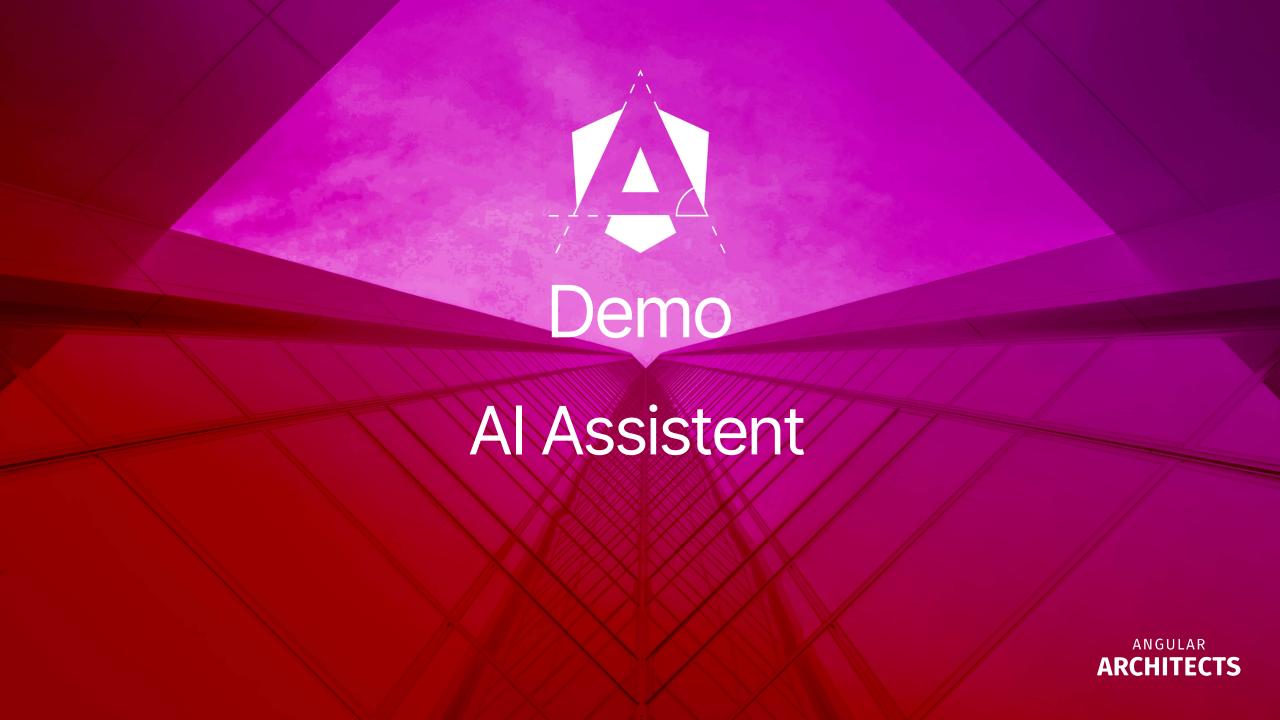




Edit Mode (pretty new & experimental)

- Support in
 - Al Assistant for JetBrains IDE
 - Tab Mode in VS Code
- Al editors (based upon VS Code)
 - Cursor (own LLM)
 - Windsurf (new, LLM can be chosen)





Risks and Challenges of AI in Coding

- increased technical debt and reduced maintainability due to poor quality
- code duplication instead of refactoring (also with humans ©)
- not confirming to custom style guide and lint rules
- specific to Angular
 - Al struggles with complexity of Angular
 - uses outdated APIs (e.g. structural directives)
 - usage of bad training data examples (found online)



Al Coding Predictions

- Dev role will not disappear but transform
- Al tools enhance productivity & effectivity
- Devs who proactively embrace AI and work on their skills will have an edge in the future
- My personal recommendation:
 learning / improving skills at least 2-4h / week

Conclusions

ANGULAR ARCHITECTS