Fixing Tools Not Problems

AI Helping Us Right Now Examples Part 1

Part 5 of 7: Requirements Design Coding

AI Helping Us Now

Not Sci Fi Tools Are Here Getting Better

⚙ This isn't just future gazing.

⚙ Tools using AI show glimpses of this future **today**.

Use Case 1 Clearer Requirements Faster

Tackling Ambiguity Early

⚙ **Now** Tools transcribe/summarize meetings (Otter Fireflies MS Teams).

⚙ Project tools (Jira ADO) experiment AI drafting stories suggesting tasks.

⚙ AI used for drafting high quality Epics Stories **estimation hints**.

Requirements Future Vision

Active Listening Alignment Checks

⚙ AI actively listens flags confusion drafts **well-formatted Stories (BDD style)**.

⚙ Suggests Acceptance Criteria checks alignment with **OKRs**.

⚙ Cuts down early **confusion and rework**.

Use Case 2 Faster Design Prototypes

Avoiding Complex Designs Wasted Effort

⚙ **Now** Tools generate UI mockups from text/sketches (Uizard Miro Galileo AI).

⚙ AI in diagramming tools helps organize ideas (Miro Lucidchart).

Design Future Vision

Conversational Architecture Instant Feedback

⚙ Architects talk -> AI draws initial diagrams suggests **API structures (OpenAPI)**.

⚙ Builds **quick clickable prototype** for instant feedback.

⚙ Helps see problems early **avoid over-engineering**.

Use Case 3 Coding Supercharged

Automating Routine Code Reducing Toil

⚙ Tired of writing boring code?

⚙ **Now** GitHub Copilot suggests code sometimes whole functions.

⚙ Tools use AI to analyze quality find bugs better (SonarQube).

⚙ Low-Code/No-Code generates apps visually (Mendix Lovable OutSystems).

⚙ AI Code Review platforms popular

(CodeAnt AI).

Coding Future Vision

AI as Partner Fixing Debt Explaining

⚙ AI writes most routine code **unit tests (TDD style!)**.

⚙ Helps fix old messy code (addressing **technical debt**).

⚙ Explains complex parts.

Developer Focus Shift

From Typing Mundane Code To Guiding AI

⚙ Developers focus on **tricky business logic** guiding the AI.

⚙ Massively speeds up development cycle.

Impact Summary Pt 1

Speed Clarity Reduced Waste

⚙ AI driving significant gains in early SDLC stages.

⚙ Faster idea-to-validation reduced ambiguity/rework.

Food For Thought

Practical Benefits Today

⚙ These tools are offering real productivity advantages now.

⚙ Not just hype tangible improvements are possible.

Next

Testing Ops Role Changes

⚙ Next we cover AI's impact on later SDLC stages.

⚙ Smarter Testing Easier Operations and the evolution of our roles.

Series Index

Read the Full Article: Tired of Fixing Tools Instead of Solving Problems?...

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