

AI in Test Management

Less Busywork, More Strategy



What to expect today

- Duration — **40 minutes**
(will try to leave time for questions)
- Questions — **Q&A tab** (please type them in)
- Everyone who registered will get the recording and slides
by email.



Hi, I am Andrian

- 23+ years in software, 15 of them as ex-CTO
- Founder and CEO of [Hypersequent](#)
- Our mission — make software in the world more reliable
- Product: [QA Sphere](#) — a test management system



Testing ≠ Test management

- Testing — “perform an action and check the result”
(or write code that does it)
- Test management — a map: what, where, when, and why
- Why we talk about test management:
 - We live in the age of fast releases
 - Without a structure, even the best tests may not be sufficient



Why AI became a real breakthrough now

- After years of promises, computers finally started to understand the natural language
- Progress is impressive: LLMs improve by 5–10% every few months
- Mass adoption: even “non-AI companies” actively use Gemini and ChatGPT
- Very low cost of access



How AI creates value

- Process Optimization
- Decision Augmentation
- Decision Automation



Where we are now in test management

- **Process Optimization** — faster editing of test cases and bug reports
- **Decision Augmentation** — help with ideas on test coverage

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- **Decision Automation** — still limited due to high responsibility



What you can already delegate to AI

- Editing test case text
- Creating test cases based on context
- Generating test cases from functional requirements
- Writing bug reports
- Creating checklists



Practical Tips



Choosing a model

- The "smarter" the model — the better the result
- Check model rankings via LMArena
- There are two types of models: reasoning and non-reasoning
- Reasoning models — slower but deeper
- Non-reasoning models — faster, can be taught to reason with special techniques



Context is key to quality AI work

- Models need clear and up-to-date context
- Without context, AI may “hallucinate” answers
- Too much or outdated context also lowers quality
- ChatGPT’s built-in memory can add “noise” — better to avoid it



From context to instructions

- Clear instructions matter as much as context
- Specify the desired output format (CSV, plain text, etc.)
- Explain exactly what you want to get
- Phrase instructions positively, not through prohibitions



Motivation and magic tricks in prompting

- **What helps:** assigning a role or topic focus to the model, asking to think step by step
- **What doesn't help:** made-up motivational stories or "magic words," emotional blackmail (?), technical mumbo jumbo, repetition, or "special" days
- Instruction-tuned models behave like helpful assistants **by default**



Motivation and magic tricks in prompting

	
"Be a genius QA who knows everything"	"You are an experienced test manager, help draft test cases"
"Today is Tuesday in October, the most productive day of the year"	"Think step by step to outline areas that must be tested in the application"
"Focus all your transformers"	"Give a structured answer as a checklist"



GPTs and Gems — create your own assistant

- You can create your own assistant with specific context and instructions
- In Gemini, it's called **Gems**
- In ChatGPT, it's called **GPT**
- They store a system prompt — your instructions and role
- ChatGPT also supports **projects** with custom settings



Create

Configure



Name

QA Adviser: Table Booking System (TBS) App

Description

AI Helper for working with TBS test docs

Instructions

You are an experienced mobile QA engineer, assisting with test management for the Table Booking System (TBS).

Project Context: TBS

- An app for booking tables in restaurants (B2C).
- Roles: Guest, Registered User, Restaurant Administrator, Support Team.

Conversations with your GPT can potentially include part or all of the instructions provided.

Conversation starters

×

Knowledge

Conversations with your GPT can potentially reveal part or all of the files uploaded.

TBS-App-April2025-Fu...
PDF

Note: creating GPTs is only available in the browser.



What to do after receiving a response from AI

- **Always review the response!**
- Use copy-paste or request a CSV
- In chat: use context carefully
- New tasks — new chat
- In product integrations, AI works a bit differently



Demo: ChatGPT



Demo: Gemeni



From separate AI chats to a unified product

- Some use ChatGPT or Gemini directly
- Others choose products with built-in AI features
- We'll show what AI integration looks like in a test management system
- Example — task automation inside [QA Sphere](#)



Demo:  **QA Sphere**



QA Sphere Demo Summary

- We demonstrated working with AI without the need for copy-pasting
- QA prompts are built into the product and configured by the development team
- Prompts are tailored to real-world test management scenarios
- AI functionality is continuously improved based on user feedback



The future of QA Sphere

- We're just at the beginning
- We plan to expand AI decision augmentation
- AI will assist not only in test management, but also in testing itself
- QA Sphere can already be connected to Cursor via MCP to help with test case automation

Q&A



QA Sphere

AI-Powered Test Management Platform

**3 MONTHS
Free Access**

For webinar attendees
with promo code*:

QAS-WEB25

*Valid for 2 weeks after the webinar

Thanks for your attention!



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