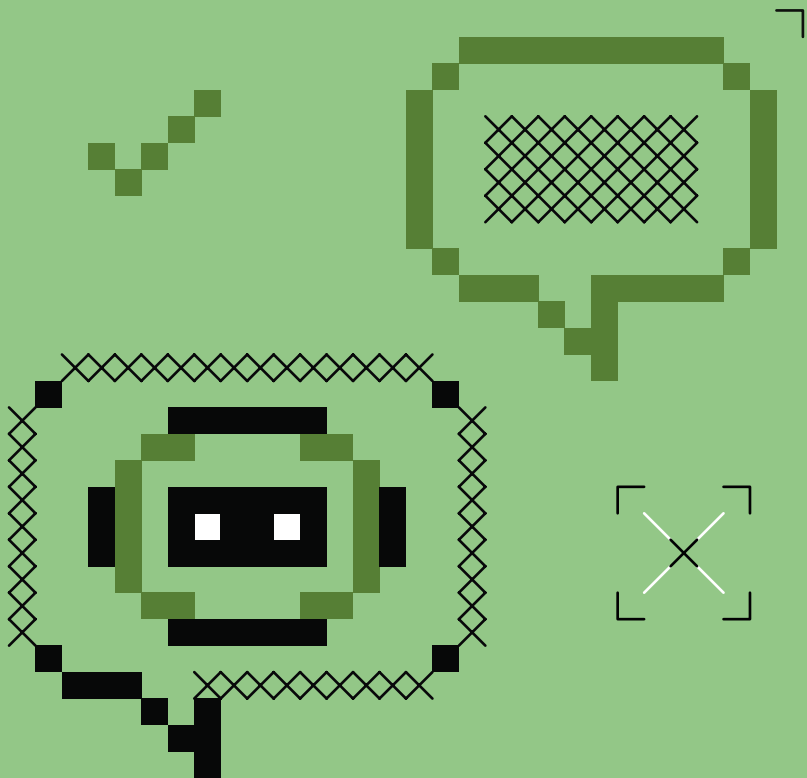




ChatGPT Prompts for Exploratory Testing



Content

1. Using ChatGPT for Exploratory Testing

2. ChatGPT Prompts for Exploratory Testing

- Prompts to enumerate risks

- Prompts for generating exploratory test ideas

- Prompts for creating exploratory test charters

- Prompts for generating test scenarios

- Prompts for generating data samples

- Prompts to summarize an exploratory testing session

Using ChatGPT for Exploratory Testing

Exploratory testing stands apart from traditional methods by emphasizing a deep understanding of the product's context, recognizing the multi-dimensional nature of quality, and bringing unique stakeholder perspectives to the table.

When incorporating AI, like ChatGPT, into exploratory testing, it's essential to acknowledge its **limitations**. While ChatGPT excels at certain tasks, it lacks the nuanced understanding that human testers bring, particularly in grasping the product's purpose and audience. This understanding is vital to mitigate **risks such as limited context, hallucination, and bias**.

Finding the right balance between AI's capabilities and human expertise is key. ChatGPT can serve as a tool to spark ideas, but thoughtful input and careful consideration of its responses are critical. **Always approach AI as a helpful assistant, and ensure your exploratory testing remains context-aware.**

To enhance the quality of ChatGPT's responses, it's essential to be strategic in our approach. The output of generative AI can be diverse, which makes refining our queries crucial. We should aim for highly relevant, accurate, and detailed responses aligned with our desired format.

Here are some tips to achieve better responses:

- Include rich context into the prompt
- Provide concrete examples of desired answers
- Constantly review the answers for possible follow-ups and iterations

DISCLAIMER

It is important to note that certain prompts may not generate the expected level of detailed response. The iterations that follow the provided prompts are where you may truly obtain valuable information.

Furthermore, some prompts may require additional information to generate the desired response. **Please understand that the prompts provided are rough ideas that require fine-tuning, enhancing, and adaptation to suit individual requirements.**

1. Prompts to enumerate risks

ChatGPT helps in **brainstorming** and **assessing** risks. Remember that the answer quality depends on your input's precision.

Category	Description	Adaptable Prompt
Identify Risks	Identifying potential risks in a project.	List potential risks in [specific area/phase, e.g., development, deployment] of the project [project name].
Risk Prioritization	Prioritizing identified risks.	Prioritize the identified risks in [specific project phase/area] of [project name] based on impact and likelihood.
Mitigation Strategies	Proposing strategies to mitigate risks.	Suggest strategies to mitigate the top risks in [specific area, e.g., security, user experience] of [project name].
Impact Assessment	Assessing the impact of potential risks.	Assess the potential impact of identified risks on the [specific aspect, e.g., timeline, budget] of [project name].
Risk Monitoring	Monitoring risks throughout the project.	Describe methods for monitoring and managing risks during [specific phase, e.g., development, post-launch] of [project name].

2. Prompts for generating exploratory test ideas

ChatGPT is a valuable tool for sparking creativity, which is crucial in exploratory testing, providing prompts to inspire your testing strategy.

Category	Description	Adaptable Prompt
User Story	Enumerating test ideas from a user story.	Given a user story where [specific user action or goal], generate exploratory test ideas.
Testing Type	Generating test ideas for various testing types.	For [testing type, e.g., UI/compatibility/data integrity], can you generate exploratory test ideas?
Product and Area of Focus	Test ideas for specific product areas.	Provide exploratory test ideas for the [product/feature], focusing on [specific area or aspect].
Internationalization	Test application across multiple regions.	Generate exploratory testing ideas for [insert language/country] localization.
Omnichannel	Confirm seamless cross-channel experiences.	Create test ideas for omnichannel integration for [insert channel/platform].
Integration	Check third-party integrations.	Develop integration test ideas for [insert third-party service].

3. Prompts for creating exploratory test charters

ChatGPT can aid in creating test charters for exploratory testing, helping you stay focused yet flexible. Experiment with different prompts to find the most useful guidance.

Category	Description	Adaptable Prompt
Quality Attribute	Assessing specific quality attributes of the software.	Create a test charter focused on evaluating the [specific quality attribute, e.g., usability, performance] of [software/application name].
User Story	Exploring test ideas based on a user story.	Develop a test charter based on the user story [brief user story], exploring [specific aspect or functionality].
Personas	Testing from the perspective of different user personas.	Formulate a test charter to test [software/application name] from the perspective of [specific persona, e.g., new user, power user].
Risk	Identifying and addressing potential risks.	Design a test charter to identify and mitigate potential risks in [specific area/aspect, e.g., data security] of [software/application name].

4. Prompts for generating test scenarios

ChatGPT can help brainstorm and **generate creative test scenarios** for your app. Use these as **preliminary ideas** to develop further. Adapt each response as you go, considering they might vary and are partial.

Category	Description	Adaptable Prompt
Boundary Testing	Generating test scenarios for boundary testing.	Generate boundary testing scenarios for [specific feature or functionality, e.g., shopping cart] on [website/application name].
Negative Testing	Involving negative testing scenarios.	Develop negative testing scenarios for [specific feature, e.g., login page] focusing on [negative conditions, e.g., incorrect usernames and passwords].
Performance Testing	Creating performance testing scenarios.	Create performance testing scenarios for [application name, e.g., mobile banking app] to assess responsiveness under [specific conditions, e.g., heavy user load].
Compatibility Testing	Generating test scenarios for compatibility testing.	Develop test scenarios for cross-browser compatibility testing of [web application name], including testing on [different versions or browsers].
Security Testing	Testing the security of specific features.	Outline security testing scenarios for [specific feature, e.g., file upload feature] in [application type, e.g., cloud storage application].

Category	Description	Adaptable Prompt
Error Handling Testing	Assessing error handling during the checkout process on an e-commerce website.	Generate test scenarios to evaluate how well [specific e-commerce website] handles errors during checkout, including payment failures.
Data Validation Testing	Creating scenarios for data validation on a customer registration form.	Create test scenarios for data validation on a customer registration form at [specific site/service] , focusing on valid email formats and duplicate entries.
Integration Testing	Developing scenarios for integrating CRM software with an email marketing platform.	Create integration testing scenarios for [specific CRM software] that needs to connect with an [email marketing platform] .
User Profiles	Tailor testing to different user types.	Create user scenarios for [insert user type] profiles.
Accessibility	Ensure the app/site adheres to accessibility standards.	Outline accessibility test plans for users with [insert disability type] .
Load Testing	Assess system performance under heavy load.	Plan stress tests for [insert peak usage scenario] .

5. Prompts for generating data samples

Generating **data samples** is often time-consuming, and existing tools **may not meet your specific needs**. ChatGPT can help generate quickly customized data samples that are tailored to your specific requirements.

Category	Description	Adaptable Prompt
Sample User Profiles	Generating user profiles for an e-commerce website.	Generate sample user profiles for [type of e-commerce website, e.g., fashion, electronics] including names, email addresses, and shipping addresses.
Sample Product Listings	Providing product listings for an online marketplace.	Provide sample product listings for [type of online marketplace, e.g., handmade goods, books] including product names, descriptions, prices, and images.
Test Orders	Creating test orders for a retail application.	Create sample test orders for [specific retail application or store] including customer information, product selections, and order details.
Financial Transactions	Generating financial transactions for a banking app.	Generate sample financial transactions for [specific banking application or service] including deposit, withdrawal, and transfer transactions.
Employee Record	Generating employee records for an HR management system.	Generate sample employee records for [type of business or organization, e.g., tech company] including names, roles, and contact information.

Category	Description	Adaptable Prompt
Sample Test Scores	Providing test scores for an educational application.	Provide sample test scores for [educational application or course name] including student names, subject scores, and grading information.
Booking Reservations	Creating booking reservations for a hotel system.	Create sample booking reservations for [specific hotel or reservation system] including guest names, check-in/out dates, and room types.
Inventory Items	Providing inventory items for an inventory management application.	Provide sample inventory items for [type of inventory, e.g., retail store] in an inventory management application including item details.

6. Prompts to summarize an exploratory testing session

AI tools can assist in summarizing key observations and identifying defects in your projects, offering prompts for deeper exploration, all **based on your session notes**.

Category	Description	Adaptable Prompt
Key Findings	Summarizing the main discoveries.	Based on my notes from today's exploratory testing session, summarize the key findings focusing on [specific aspect/feature] of [application name].
Major Bugs/Issues	Overview of significant problems found.	Based on my notes from today's exploratory testing session, provide an overview of major bugs or issues discovered, specifically in [specific area/functionality] of [application/feature name].
Test Coverage	Describing the extent of testing coverage.	Based on my notes from today's exploratory testing session, describe the test coverage achieved, particularly for [specific aspect/feature] of [application/feature name].

Category	Description	Adaptable Prompt
Unexpected Behaviors	Highlighting surprising findings.	Based on my notes from today's exploratory testing session, Highlight any unexpected behaviors or findings, especially in [specific area/functionality] of [application/feature name].
User Experience	Detailing user experience and usability observations.	Based on my notes from today's exploratory testing session, detail the user experience and usability observations, focusing on [specific aspect/feature] of [application/feature name].

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