

Lesson 07 Demo 09

Automating Test Cycle Closure Using GenAI

Objective: To automate the generation of test cycle closure reports using ChatGPT for enhanced documentation and strategic insights

Tools required: ChatGPT 4

Prerequisites: None

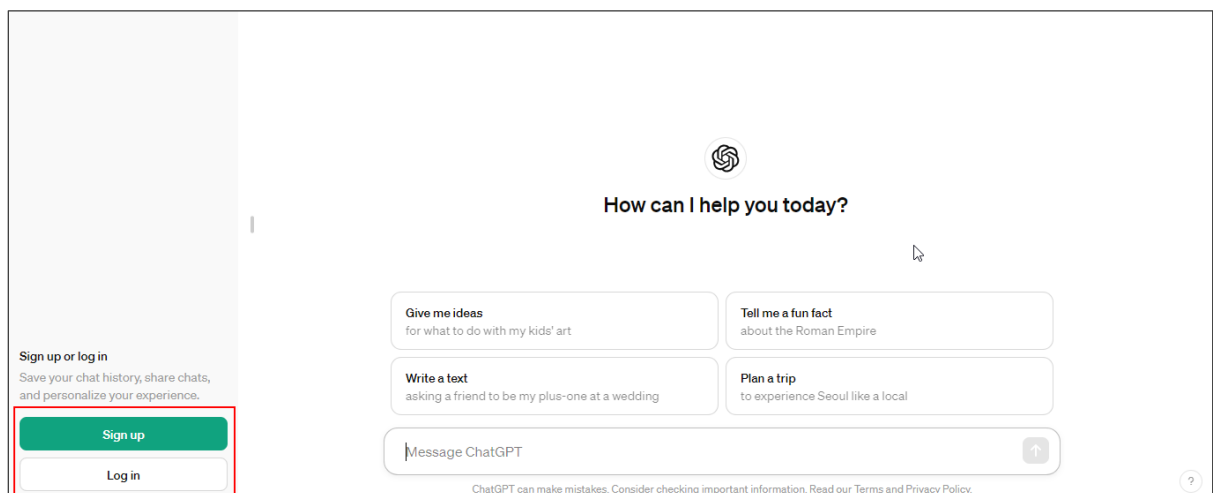
Steps to be followed:

1. Generate test closure report using ChatGPT

Note: Please be advised that ChatGPT, as an artificial intelligence tool, can produce varied outputs even when presented with similar prompts.

Step 1: Generate test closure report using ChatGPT

- 1.1 Browse to the <https://chat.openai.com> website and log in to your account



Note: Sign up if you do not have an account

auth.openai.com/authorize?client_id=TdJlcbe16WoTHtN9Snyywh5E4yOo6ItG&scope=openid%20email%20profile%20offline_access%20model.request%20mode...

Welcome back

Email address

Continue

Don't have an account? [Sign Up](#)

OR

Continue with Google

Continue with Microsoft Account

- 1.2 Upload the test cases and use the following prompt to draft hypothetical insights:
- Analyze the document and based on the simulated test data for the money transfer feature, draft hypothetical insights about common failure points, user interface challenges, and system responses.**

ChatGPT 4 ▾

	Scenario	Sender	Receiver	Amount
1	Standard Transfer	John Doe	Jane Smith	\$100
2	Cross-Currency Transfer	Alice Johnson	Bob Lee	€150
3	Insufficient Funds	Michael Brown	Sarah Connor	\$5000
4	Incorrect Account Details	Laura Green	INVALID_ACCOUNT	\$200

Analyze the document and based on the simulated test data for the money transfer feature, draft hypothetical insights about common failure points, user interface challenges, and system responses.

ChatGPT 4 ▾



Based on the simulated test data for the money transfer feature, here are some hypothetical insights about common failure points, user interface challenges, and system responses:

Common Failure Points

1. **Insufficient Funds:** Transactions failed due to insufficient funds in the sender's account, indicating that this is a common scenario that needs robust handling in both the user interface and backend processing.
2. **Incorrect Account Details:** There are errors related to invalid receiver account details. This suggests that validation checks could be more stringent or user-friendly, helping prevent such errors at the point of data entry.
3. **System Timeout:** Failures due to system timeouts were noted, which could point to potential issues in server response times or handling of service interruptions.

User Interface Challenges

1. **Error Clarity and Guidance:** The error messages such as "Transaction failed: Receiver account



Message ChatGPT



Activate Windows
Go to Settings to activate

Note: Download the **Mobile_Banking_Transaction_Test_Data** file from the LMS course resources


1.3 Use the following prompt to create strategic recommendations:

Create strategic recommendations for improving the money transfer feature in a mobile banking app based on the drafted insights. Focus on enhancing transaction success rates, security measures, and user experience


ChatGPT 4 ▾


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Create strategic recommendations for improving the money transfer feature in a mobile banking app based on the drafted insights. Focus on enhancing transaction success rates, security measures, and user experience

 Based on the analysis of the simulated test data and identified common failure points, here are strategic recommendations to improve the money transfer feature in a mobile banking app:

Enhancing Transaction Success Rates

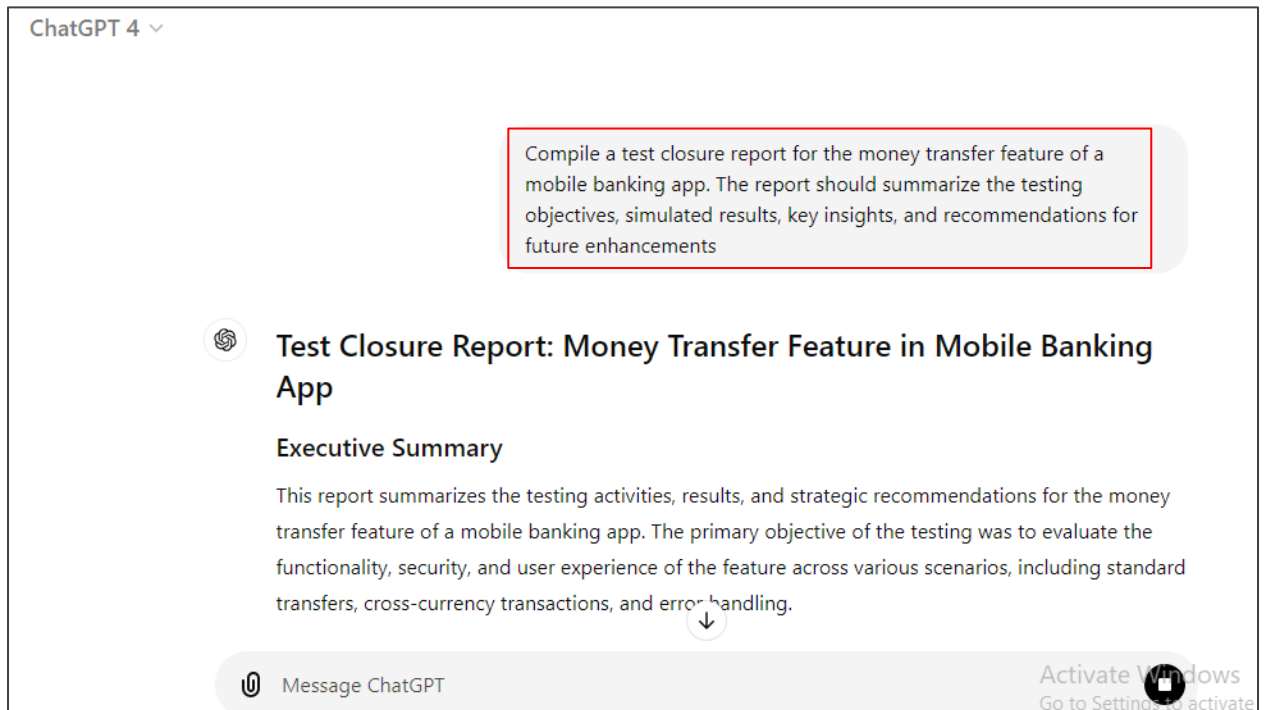
1. **Pre-Transaction Validation and Alerts:** Implement robust pre-transaction checks that alert users to potential issues like insufficient funds before they attempt to transfer. This can reduce failed transactions significantly.
2. **Real-Time Currency Conversion:** Enhance the cross-currency transfer feature by integrating real-time currency conversion rates and providing users with up-to-date information on exchange rates and expected transaction  is to prevent misunderstandings and disputes.

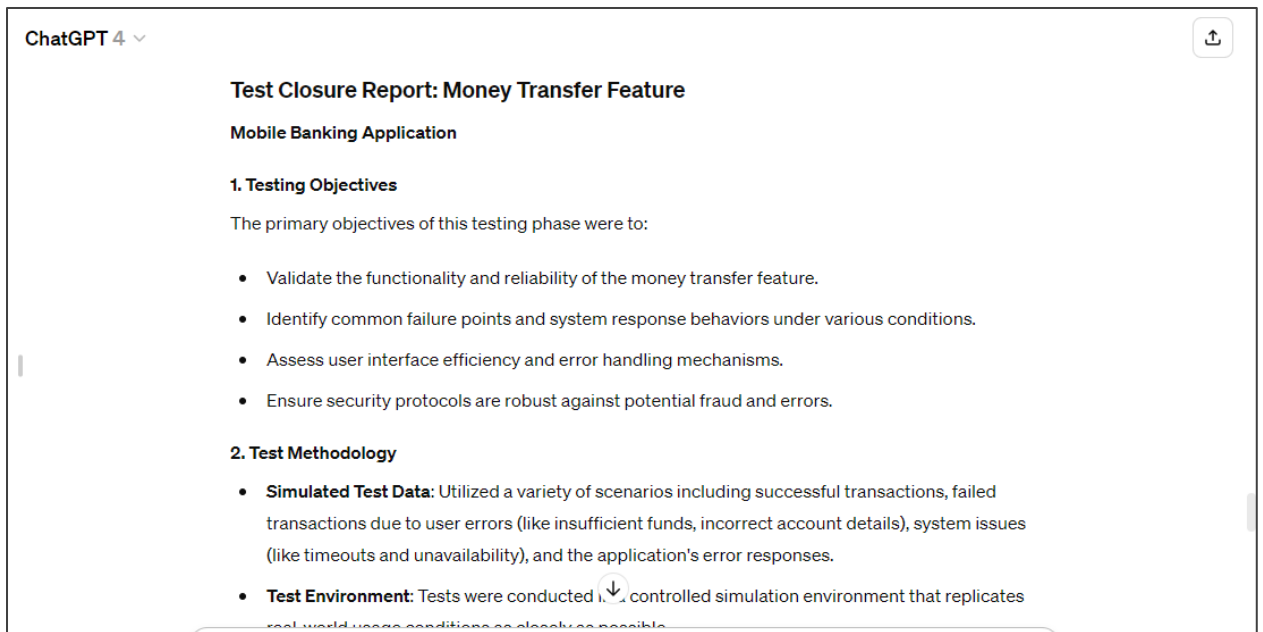
 Message ChatGPT

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1.4 Use the following prompt to create the test closure report, as shown in the screenshot below:

Compile a test closure report for the money transfer feature of a mobile banking app. The report should summarize the testing objectives, simulated results, key insights, and recommendations for future enhancements





By following these steps, you have successfully automated the generation of a comprehensive test closure report for the money transfer feature in a mobile banking app using ChatGPT 4.