

★ STREAMING TECH ★
INNOVATION FEST



**TEST
MANAGER
BOT**

■ Unified ■
Generative AI

TEAM INFORMATION



Team Name:



Selected Prompt:



■ Unified ■

- Harness The Potential Of Generative AI



- Find a Problem, And Solve It!

Team Members:



Rosti Alpin



Chaitanya T



Robin Alex



Rithwik S



Juney Jestin

Cameo by



Denzel Washington

THE IDEA



Idea Description:

The project aims to streamline manual QA tasks by integrating a dedicated QE Copilot. This innovative solution leverages machine learning algorithms to analyze existing test cases and business requirements, generating new test cases, identifying duplicates, and suggesting updates, and many more... This integration accelerates testing, enhances accuracy, and improves product quality insights for faster time-to-market.



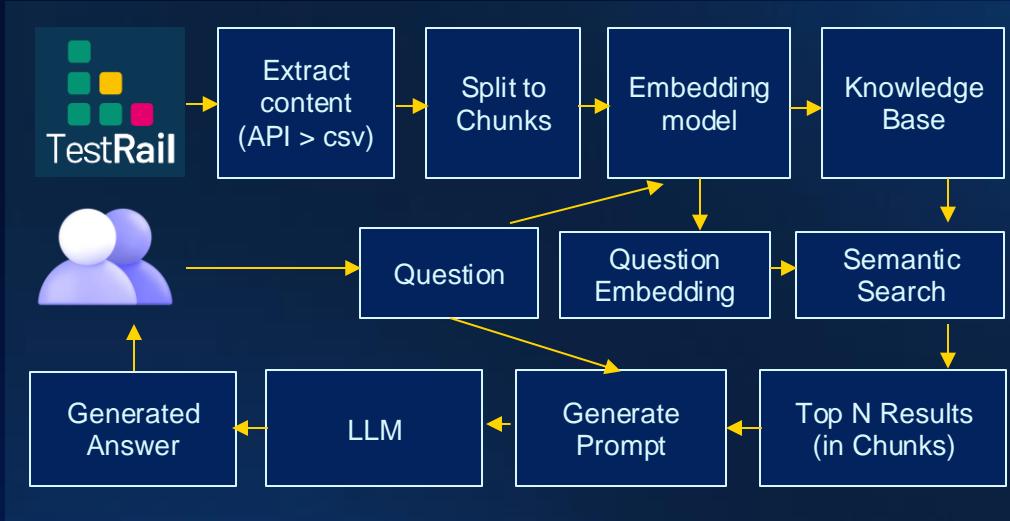
30%

Productivity Improvement in Test Case Creation, Maintenance, and Management.



INNOVATION FEST

Solution:



Limitations:

- Sensitive to right prompts for yielding accurate results
- If the ask involves internal/new info not in knowledge base and LLM, requires descriptive prompts



Next Steps:

- Rollout in QE process
- Improve TestRail Data Quality & Quantity
- QE prompt library reference
- LLM upgrades with new and powerful releases



DEMO VIDEO

THIS IS WHERE YOUR UPLOADED VIDEO WILL PLAY.
DO NOT EMBED VIDEO HERE.





TEST
MANAGER
BOT

Q&A



APPENDIX



DEMO PROMPTS

Use Case 1: New Requirement with No Test Cases

This is a new requirement "It is about deep link. When user searches for any show from the platform specific search, user should be deep linked to the episode or movie. Post successful authentication, video playback should start. Need to test Episode, Movie and Live TV". Find if there are existing test cases for this requirement. If you do not have, do not create new test cases and just say "I cannot find it".

Use Case 2: New Requirement with New Test Cases

want you to create individual test case for each content type - Episode, Movie and Live TV if there are no existing test cases. This is a new requirement "It is about deep link. When user searches for any show from the platform specific search, user should be deep linked to the episode or movie. Post successful authentication, video playback should start. Need to test Episode, Movie and Live TV".

Use Case 3: Identifying Test Cases for existing Requirement

List all the test cases with the requirement "One Recommendation Overlay". Should cover Episode, Live TV and Movie. No need to return test steps and expected results.

Use Case 4: Update existing Test Cases and their steps as needed

There has been a change in implementation of feature Seeking over Ad pods. If user seeks over multiple Ad pods, ads should not start playback. Please update the existing test cases accordingly.

Use Case 5: Creating edge cases that are missing in existing Tests

Refer to the test cases from the section "Search". Based on the test cases for Search, help creating new edge test cases that are missed in the test

Use Case 6: Identifying duplicate tests

Are there any duplicate tests for Test Case "Profile - Switch and UI Layout"

SCREENSHOTS



The image displays two side-by-side screenshots of a Streamlit application titled "Test Case Bot". The application has a dark theme with a green and purple geometric background. At the top, there is a header bar with the title "Test Case Bot" and three small icons: a fire, a magnifying glass, and a robot head. Below the header, a message from the bot says "Hey ! 🌟". A user message box contains the text "Hello ! Ask me anything about Test Cases.". In the bottom left corner of the user message box, there is a small placeholder text "Query:" followed by "Talk about your test cases here!..". Below the message box are two buttons: "Send" (red) and "Reset Chat" (grey). The right screenshot shows a continuation of the conversation. The bot's message "Hello ! Ask me anything about Test Cases." is still present. The user then receives a message: "There has been a change in implementation of feature Seeking over Ad pods. If user seeks over multiple Ad pods, ads should not start playback. Please update the existing test cases accordingly". The bot responds with: "Okay, I will update the existing test cases according to the new implementation of the Seeking over Ad pods feature. Here are the updated test cases:
Test Case 1: Seeking Over Ad - FF Past Multiple Ad Pods (Updated)
Test_ID: C22623676
TestCase: Seeking Over Ad - FF Past Multiple Ad Pod
Section: Seeking Rules
Test_Steps:"