Reasoning Log – Adaptive Taxonomy Mapper

Test Case 1

- **User Tags:** Love

- **Story Summary:** Two coworkers who initially dislike each other are required to work closely together, leading to a gradual emotional shift.

- **Predicted Output:** Enemies-to-Lovers

- **Reasoning:**
  The persistent interpersonal conflict combined with a gradual transition toward emotional connection is a defining characteristic of the enemies-to-lovers romance sub-genre.

Test Case 2

- **User Tags:** Romance

- **Story Summary:** Two individuals encounter each other again after several years and reflect on unresolved emotions from their past.

- **Predicted Output:** UNMAPPED

- **Reasoning:**
  While the narrative suggests emotional reflection, it does not provide explicit romantic development or resolution necessary to confidently assign a specific romance sub-genre.

Test Case 3

- **User Tags:** Scary

- **Story Summary:** An abstract narrative centered on internal psychological tension without a clearly defined external threat.

- **Predicted Output:** UNMAPPED

- **Reasoning:**
  The story lacks concrete psychological or horror-specific cues required to reliably map it to a defined horror sub-genre within the taxonomy.

Test Case 4

- **User Tags:** Thriller

- **Story Summary**: A covert operative navigates intelligence operations involving secrecy, foreign locations, and classified information.

- **Predicted Output:** Espionage

- **Reasoning:**
  The presence of covert missions, intelligence gathering, and high-stakes secrecy clearly aligns with the espionage thriller sub-genre.

Test Case 5

- **User Tags:** Action

- **Story Summary**: A courtroom confrontation where a lawyer's cross-examination determines the outcome of a major legal dispute.

- **Predicted Output:** Legal Thriller

- **Reasoning:**
  Despite the generic action tag, the courtroom setting and legal stakes are dominant narrative elements, indicating a legal thriller rather than an action genre.

Test Case 6

- **User Tags:** Horror

- **Story Summary:** A group of teenagers are systematically hunted by a masked attacker in an isolated environment.

- **Predicted Output**: Slasher

- **Reasoning:**
  The masked antagonist, escalating violence and sequential targeting of victims are hallmark features of the slasher horror sub-genre.

Test Case 7

- **User Tags:** Sci-Fi

- **Story Summary:** The narrative explores faster-than-light travel through detailed discussion of physics and scientific constraints.

- **Predicted Output:** Hard Sci-Fi

- **Reasoning:**
  The strong emphasis on scientific accuracy and theoretical exploration of physical laws aligns closely with the hard science fiction sub-genre.

Test Case 8

- **User Tags:** Future

- **Story Summary:** A hacker uncovers a conspiracy in a neon-lit megacity dominated by corporations and advanced artificial intelligence.

- **Predicted Output:** Cyberpunk

- **Reasoning:**
  The futuristic urban environment, corporate dominance and advanced technology are core defining elements of the cyberpunk sub-genre.

Test Case 9

- **User Tags:** Drama

- **Story Summary:** A reflective narrative focused on personal memories and everyday struggles without a genre-defining conflict.

- **Predicted Output:** UNMAPPED

- **Reasoning:**
  The story does not present sufficiently distinct thematic or narrative signals to confidently associate it with any specific taxonomy sub-genre.

Test Case 10

- **User Tags:** Dark

- **Story Summary:** A decaying ancestral mansion and long-buried family secrets create a haunting and oppressive atmosphere.

- **Predicted Output:** Gothic

- **Reasoning:**
  The emphasis on a decaying estate, inherited secrets and atmospheric dread strongly corresponds to the gothic sub-genre.

Design Rationale for UNMAPPED Cases

The UNMAPPED designation is a deliberate design choice applied when story context does not provide sufficiently strong or unambiguous signals for accurate sub-genre classification. This approach prevents forced categorization, reduces misclassification risk, and preserves the integrity of the predefined taxonomy.

Conclusion

This reasoning log demonstrates a context-first classification approach that prioritizes explainability, precision, and responsible handling of ambiguity. All decisions strictly adhere to the provided taxonomy, with uncertainty handled conservatively through the use of the UNMAPPED category.