

Introduction

In order to translate the ideals of co-creation into an actual system, we set out to create a customized story generator. This system showcases the harmonious partnership of human creativity with AI's narrative capabilities, allowing users to construct unique stories impacted by their genre selections and choice of artifact.

System design

The user interface, designed for simplicity and intuition, lies at the system's heart. For this project, we went with a restaurant theme. Users are met with a dashboard where they can alter sliders to customize the intensity of various genres, such as horror, comedy, or romance. Furthermore, an extra feature allows users to include an artefact - an object or notion the AI will incorporate into the story. There is a butler above the sliders, helping the user. The butler will tell the users how this tool can be navigated and guide them through the steps. The interface serves as the significant point of contact, allowing users to communicate their creative wishes, which the system then translates into narrative pieces. The interface was designed with a wide variety of users in mind, to encourage creative discovery without the barrier of linguistic expertise.

AI Integration and Story Generation

This new system's heart is an AI module that uses a generative model similar to GPT-4's capabilities. This cutting-edge AI technology has received extensive training to master the art of story creation, which is guided by user-defined parameters. Its primary goal is to balance two crucial aspects properly: sticking to the genre intensities defined by the user and carefully integrating the selected artefact into the narrative. The story unfolds paragraph by paragraph, a design choice that allows users to iteratively modify their choices, effectively controlling the story's direction and content. This iterative process is critical since it allows for a more dynamic and responsive co-creative experience. Users can see the immediate influence of their preferences, such as a shift toward increased suspense in a horror theme or the introduction of humour in a dramatic context, and so actively participate in the story's progress.

Furthermore, AI has been effectively developed to infuse each narrative with subtle variations and unexpected twists. This ensures that each story outcome is filled with a sense of originality and surprise while maintaining a coherent structure. The ability of the AI to develop these innovative features is critical to ensuring that each user's experience remains unique and entertaining. After five paragraphs have been generated, an exciting element enters the picture: the system's virtual butler offers users a 'receipt' of their co-created story. This receipt reflects the user's creative journey, covering the narrative choices and twists that have occurred. It acts as a physical reminder of the user's creative work, a souvenir of the one-of-a-kind story that they co-authored with the AI.

Conclusion

The system's AI module serves not just as a tool for narrative development but also as a creative collaborator, providing users with a glimpse into the world of collaborative storytelling. The design exemplifies AI's potential for enriching and diversifying the creative process, welcoming users into an immersive realm of co-creating where their choices directly influence the unfolding narrative tapestry.