

AI Personalized Interactive Fiction for Young Children

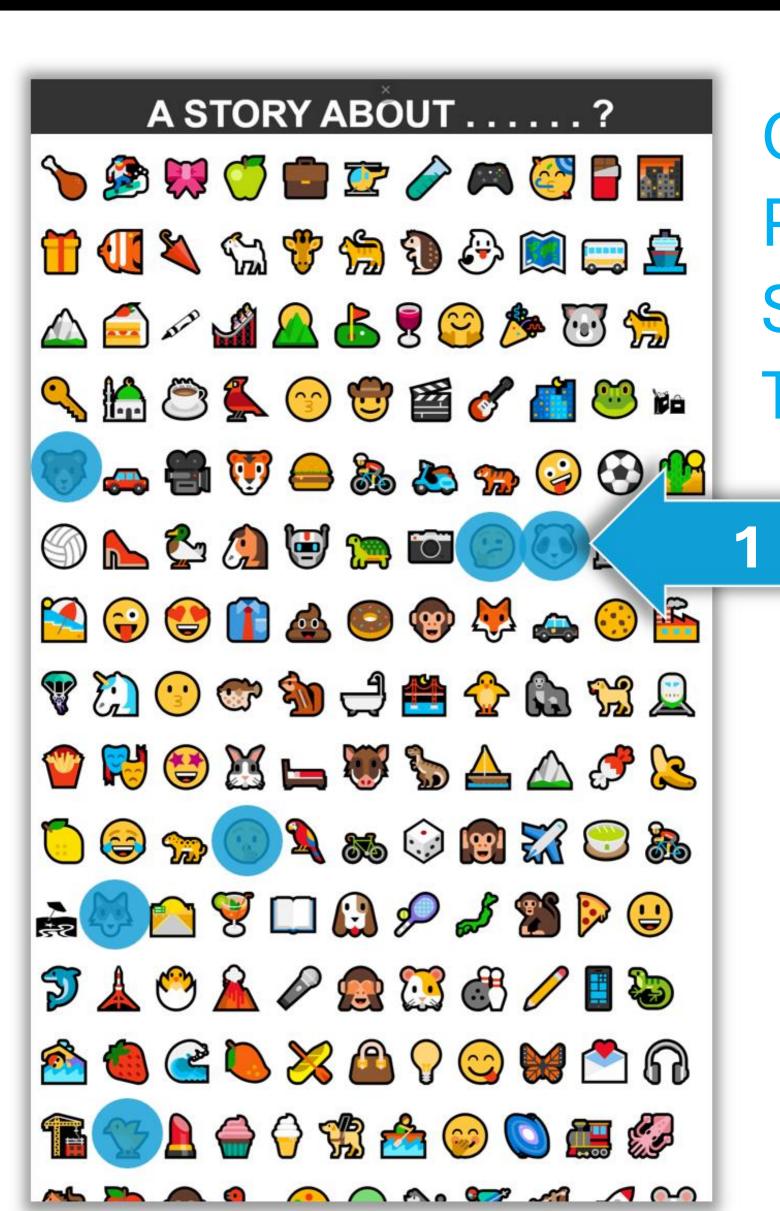
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Choose Your Own Al-venture: A Prototype for Young Readers

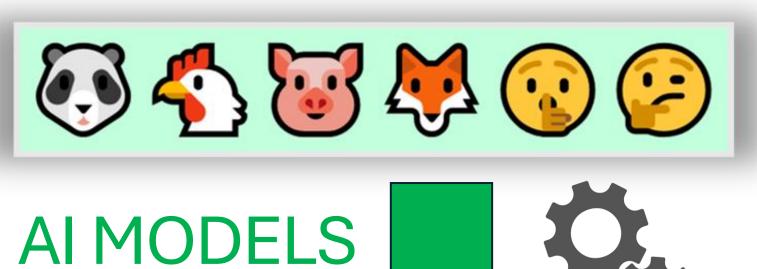




STORY TOPICS



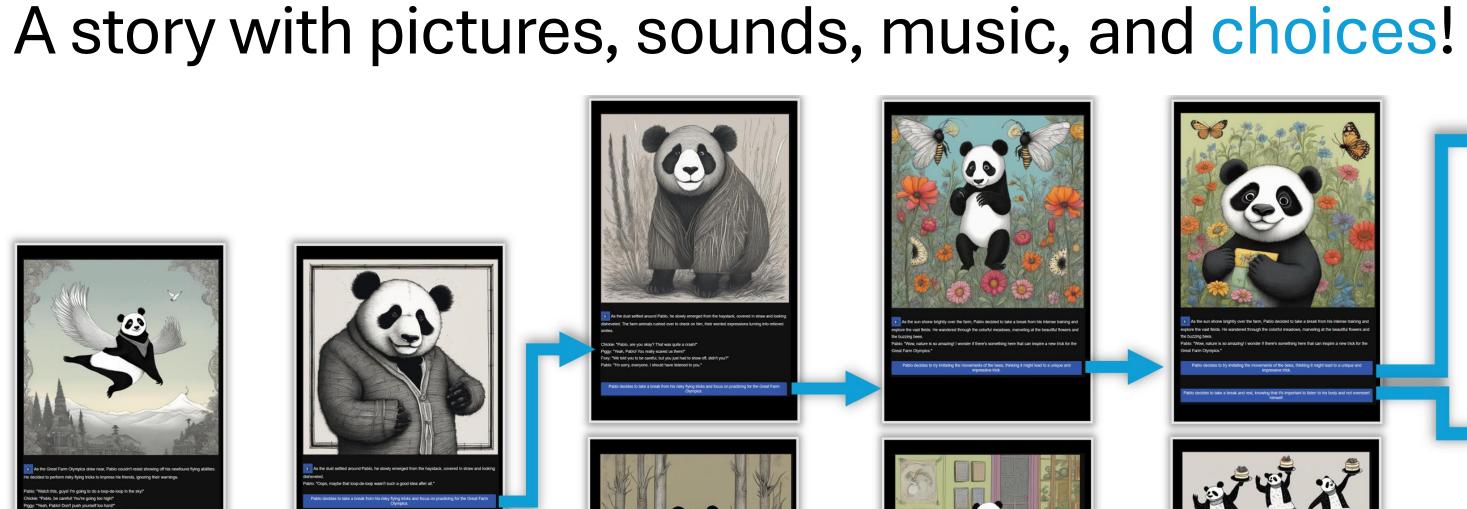




GENERATE

STORY

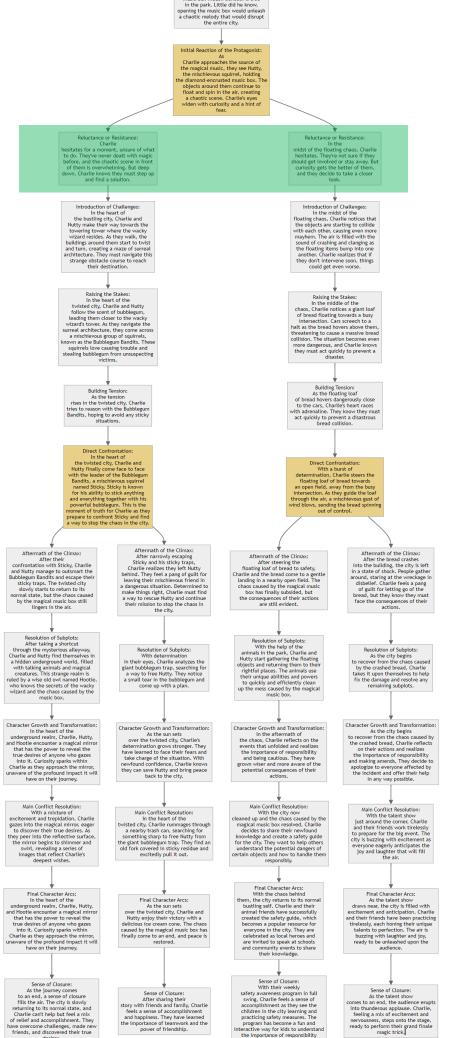




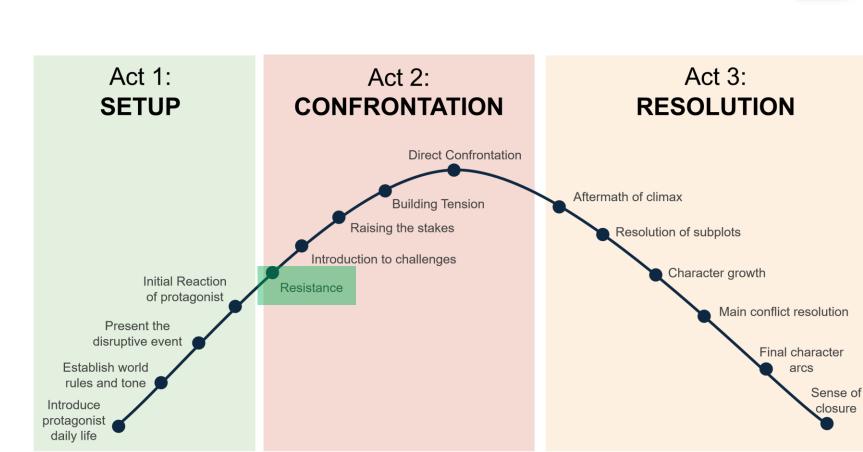




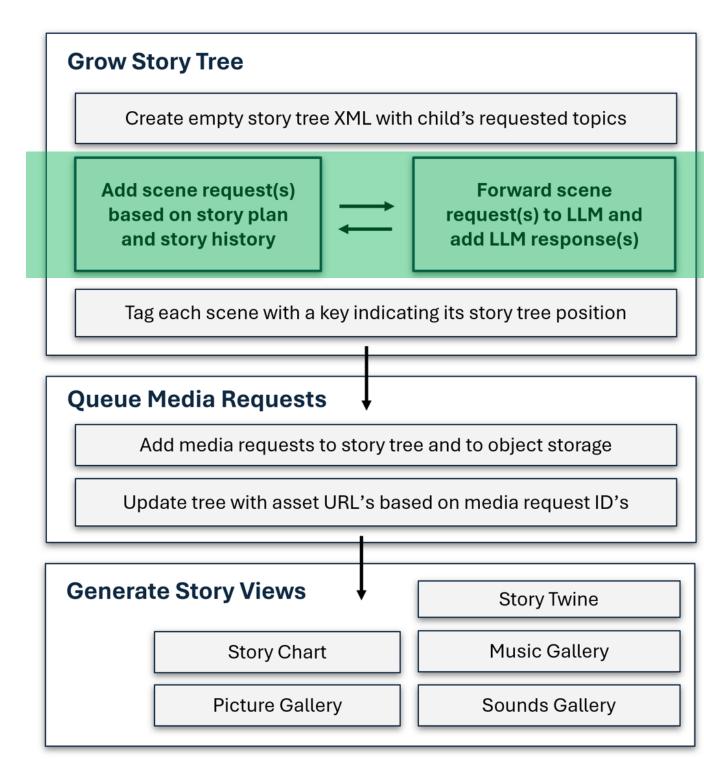
- 2. Al models generate story and galleries.
- 3. Parent gives feedback using galleries.
- 4. Als update story as guided by parent.
- 5. Child enjoys their personalized story.



Story Trees have their node order and branching controlled by a Story Plan. LLM prompts accumulate the "story so far" to grow each branch according to the selected **Story Topics**.



Story Plans guide the LLM writing the story towards a desired story structure.



Story Topics and a Story Plan are sent to an LLM to grow a Story Tree containing story branches and descriptions of pictures, sounds and music. These descriptions are then queued as **media requests** to other Al models.



Each story scene has pictures, sounds and music. One or more large blue buttons advance the story to the next scene, depending on the text displayed on the button.

Galleries allow parents to efficiently review all pictures, sounds, and music. Clicking RETRY (or UPDATE) causes a media item to be reattempted with the same (or an updated) Al model prompt

