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One day, a shell caught Lily's gaze, Blue and whale-shaped, a wondrous maze.

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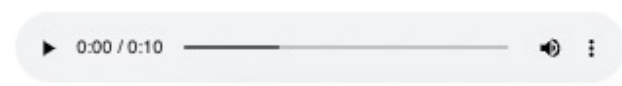
In coral reefs, colors danced and swirled, Fish shimmered like jewels, a watery world so grand, As Lily and the shell explored the depths in hand.



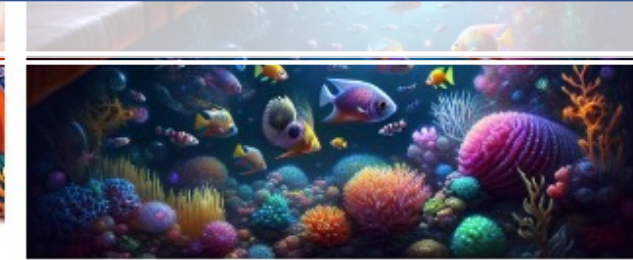
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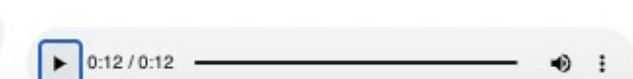
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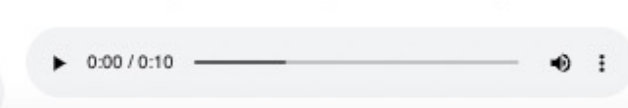
Branching Adventure Story



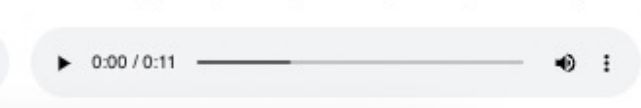
Lily learned of the ocean, its secrets untold, The beauty within, the stories it holds. She cherished the friendship, deep and true, That bloomed in the depths, forever anew.



But all journeys must end, and so it came, Lily returned, her heart aflame. Seashell in hand, she sat on her bed, Memories of wonders, forever ahead.



Lily's tale reminds us, young and old, To dare to explore, to be brave and bold. Like the mighty ocean, friendship's embrace, is limitless, a boundless space.





Branching Adventure Story

Team Name: Chatting With Historical Icons

Short Description: This project addresses a range of learning disabilities, particularly benefiting children who have difficulties navigating traditional reading education. The solution is a Generative AI application that leverages the power of the Clarifai platform.

Product: Branching Adventure Story
(Technology Used)



Team Leader: Michael Lively

Team Members:

Dominic Connor
Victor Adewopo
Shane Laffin
Tayyab Zain
David Lively



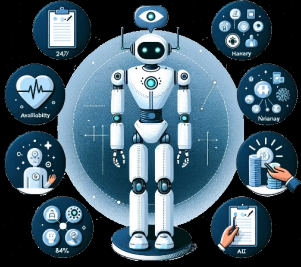
Clarifai Platform:

Image Detection
Openai GPT4 Vision
Speech Synthesis
Text to Image (dalle)

Other Platforms:

Gemini Pro
Crew AI (Agent Framework)
LangChain

Benefits of Branching Adventure Stories



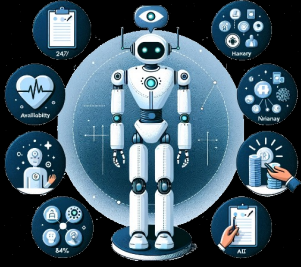
Project Proposal

- The project's objective is to transform reading for children with learning disabilities using a Generative AI application built on the Clarifai platform, creating a "Branching Reading Adventure." It's designed to assist children with Visual Impairment, Dyslexia, ADHD, Auditory Processing Disorder, Language Disorders, and Cognitive Disabilities.

Core Features:

- **Interactive Story Creation:** Utilizing CrewAI, this application turns a child's ideas into personalized learning adventures, encouraging them to become story creators.
- **Rich Story Elements:** Using Clarifai's AI, the app generates diverse story elements (images, audio, text) to create an immersive, multi-sensory reading experience.
- **Dynamic Story Branching:** The app integrates Clarifai's object identification and Chat Vision GPT-4 for real-time, interactive story alterations, enhancing engagement.
- **Adaptive Learning Loops:** It continuously loops through stories, allowing children to learn at their own pace and in a relaxed environment.

Benefits of Branching Adventure Stories



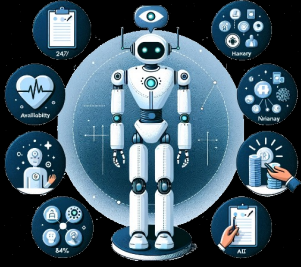
Future Work

- **Progress Evaluation Tools:** For the future we plan to incorporate Clarifai's RAG system, to include tools for educators and caregivers to track progress and identify learning needs.
- Tighten up the framework.

Project Impact:

- "Branching Reading Adventure" aims to foster an inclusive and adaptable learning space, offering new possibilities for children limited by traditional learning methods. It focuses on both educational and emotional development, enhancing self-confidence in children with learning disabilities.

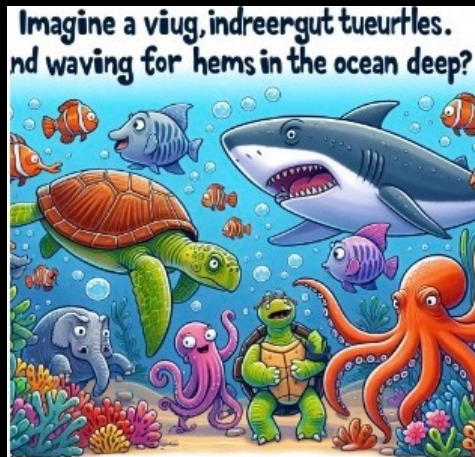
Benefits of Branching Adventure Stories



Special Instructions

When getting to the third page (Interact with Your Character) and selecting the image you want to branch off, and then clicking Create a New Story, then go back to first page (Create Your Story Script) and click Create a Story and the whole cycle just repeats itself.

Note: In a future version this will be automated.



Imagine a viug, indreergut tueurtles.
nd waving for hems in the ocean deep?

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Application Structure

Clarifai Story Teller

Branching Reading Adventure

Create Your Story Script Build Your Image-Audio Book Interact with Your Characters



What Exciting Adventures Await Us

Start Our Story...

Create a Story

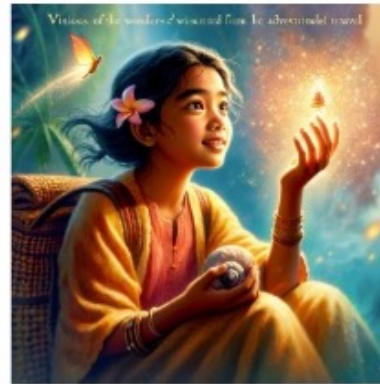
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Application Structure

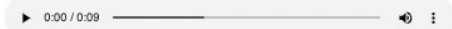
Branching Reading Adventure

Create Your Story Script **Build Your Image-Audio Book** Interact with Your Characters

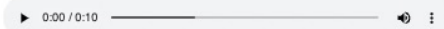
Generate Images and Audio



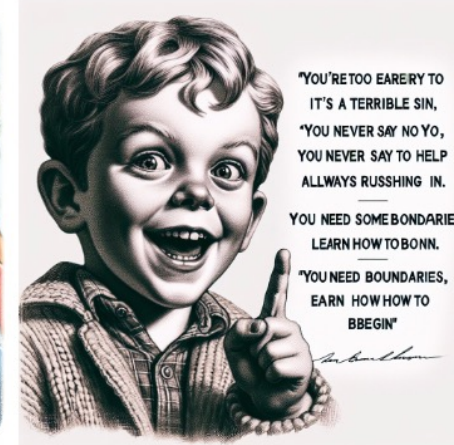
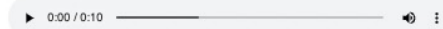
Once upon a time in a quaint little town, a girl named Alison was known to abound. A kind and helpful friend she was, yet a trusting soul she'd often amass.



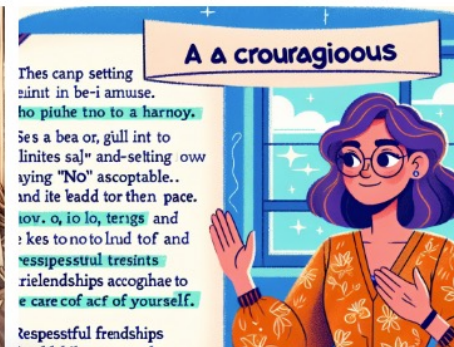
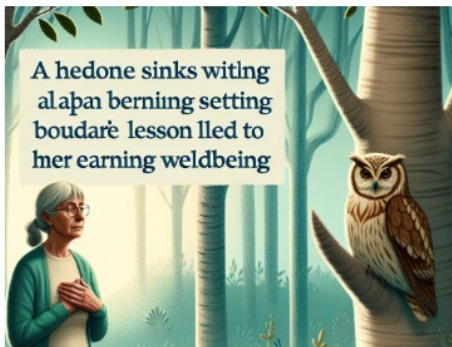
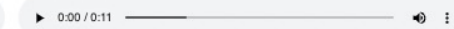
Through the park one day she skipped along so light, joy in her heart, her spirit alight. A group of kids she saw at play, eagerness to join filled her that day.



But as she approached with a beaming smile, the children turned and giggled a while. Confused and hurt, Alison inquired, "Why won't you let me join, is it desired?"



A boy named Billy spoke up with a grin, "You're too eager to help, it's a terrible sin." "You never say no, always rushing in, you need some boundaries, learn how to begin."





Application Structure

Branching Reading Adventure

[Create Your Story Script](#) [Build Your Image-Audio Book](#) [Interact with Your Characters](#)

Image Details

Image Components

Human face, Human nose, Plant, Human mouth, Flower, Human eye, Tree, House, Furniture, Window, Fashion accessory

Description of Our Image

This is an illustration of a young girl with braided hair, wearing a straw hat and a brown jacket over a white blouse with a bow-tie collar. She has a pleasant expression on her face and is standing in front of a picturesque village scene. The village has charming cottages with thatched roofs, surrounded by lush greenery and colorful flowers. A cobblestone path leads through the village, enhancing the quaint and serene atmosphere of the setting. The image has a storybook quality to it, likely designed to evoke a sense of nostalgia or to portray an idyllic, peaceful village life.

Create a Story About This Image

[Create a New Story](#)

Choose an image

- Image 1
- Image 2
- Image 3
- Image 4
- Image 5
- Image 6
- Image 7
- Image 8

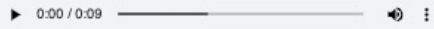




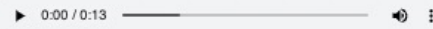
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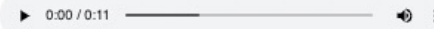
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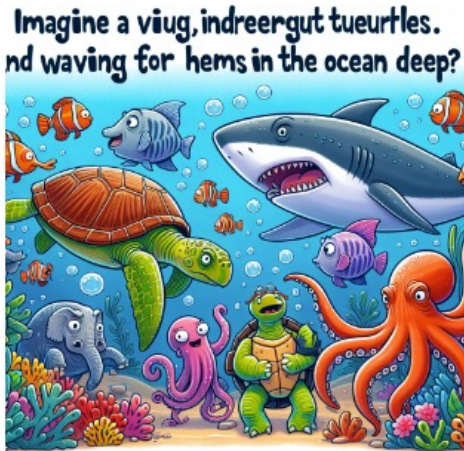
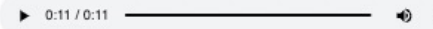
One day, a shell caught Lily's gaze, Blue and whale-shaped, a wondrous maze. "Hello, Lily dear," the seashell said, "An adventure awaits, where dreams are spread."



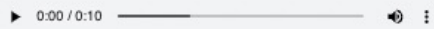
Lily, filled with joy, nodded in delight, Shrinking small, she entered the shell, so tight. With a swish and a swoosh, they sailed away, To the vibrant realm where wonders lay.



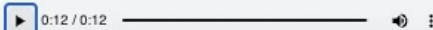
In coral reefs, colors danced and twirled, Fish shimmered like jewels, a watery world. Dolphins leaped, playful and so grand, As Lily and the shell explored hand in hand.



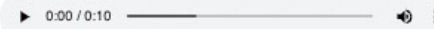
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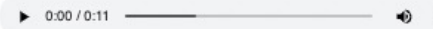
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Branching Adventure Story



Demo Application on Clarifai Platform:

https://clarifai.com/qailc/branchingstory/installed_module_versions/branching-story

GitHub

<https://github.com/qailc/NextGenHackathon>



Branching Adventure Story

Conclusion:

- Aligned with the hackathon's theme 'Empowering Learning Through Technology', this proposal represents a significant step towards inclusive education. The team is enthusiastic about its potential impact and looks forward to developing this innovative application.