

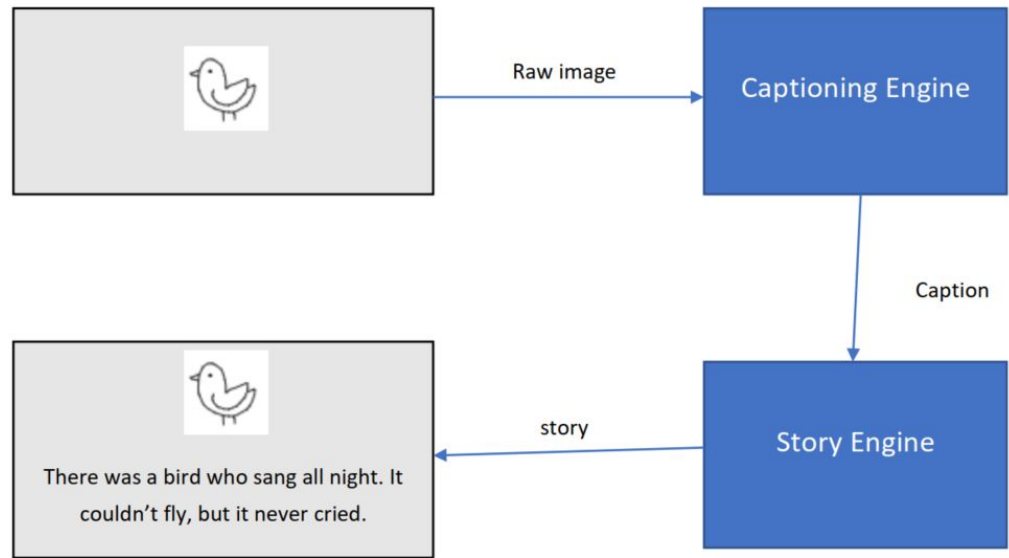
Pic2Story

Let your doodles tell you a story



Golam MD Muktadir, Abdul Jawad

Background



A new way for AI creativity

Demo



Yes!!

`file:///F:/myProjects/tfKeras/UCSC/Opensource/WebAppForPic2Story/frontend/pic2story.html`



Impact

AI Research

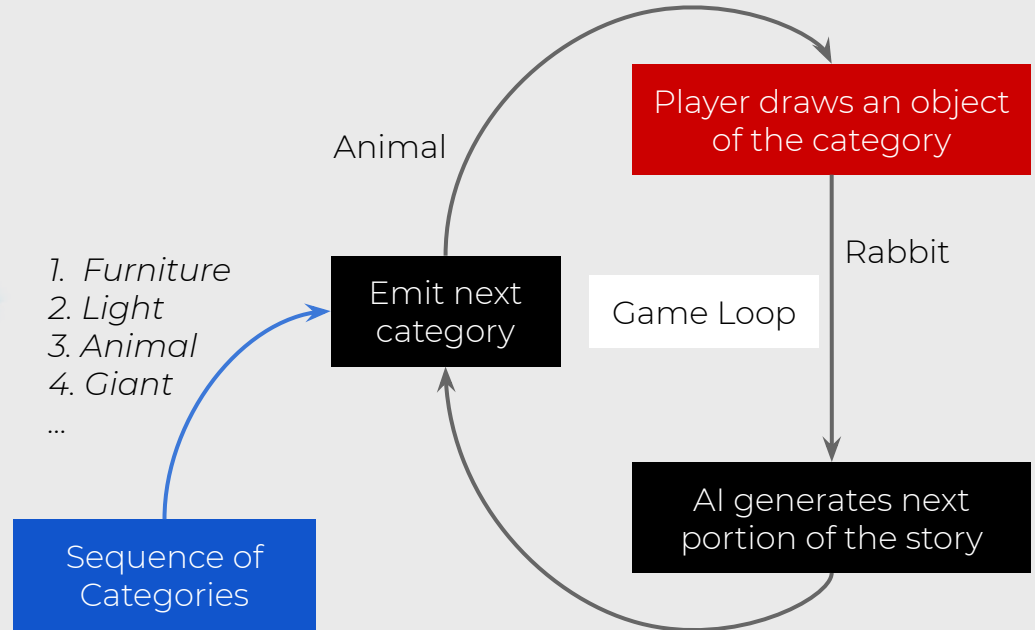
1. Fluent Story Generation (required for multi-plays) (**past context**)
2. Goal-based creativity (how to evaluate) (**future context**)

AI Based Game Design

Given the capability of creating prompts from images and generating stories based on prompts, a lot of different frameworks can be developed to facilitate designing process.

Impact On Design

An example framework

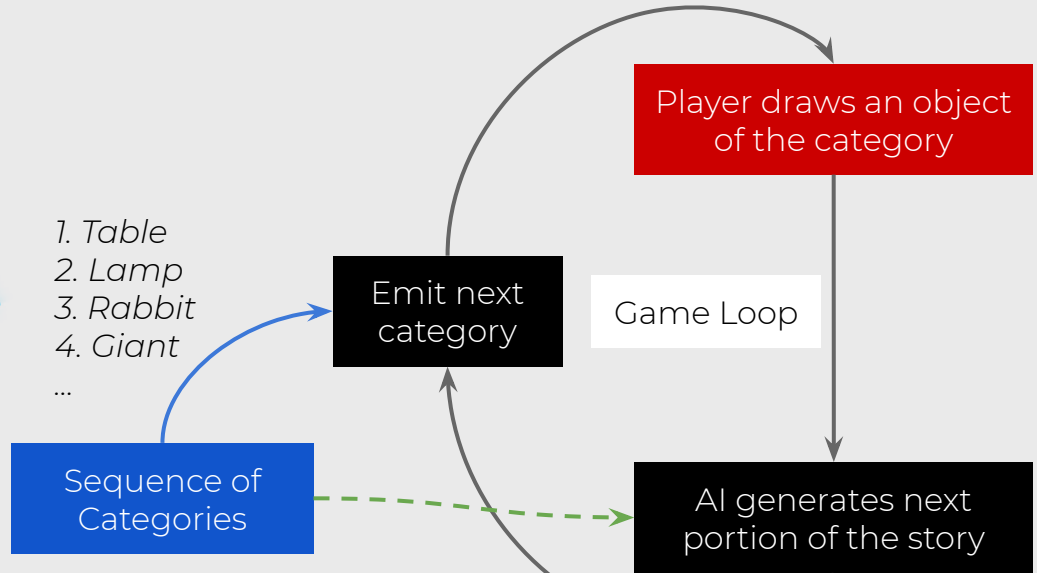


Designer creates a
sequence of categories

Anyone can design a game!!!

Impact On Research

An example framework



1. Previous portions needs to allow future categories
2. Next portion needs to be consistent with previous portion!

Technically, implemented everything.
But,

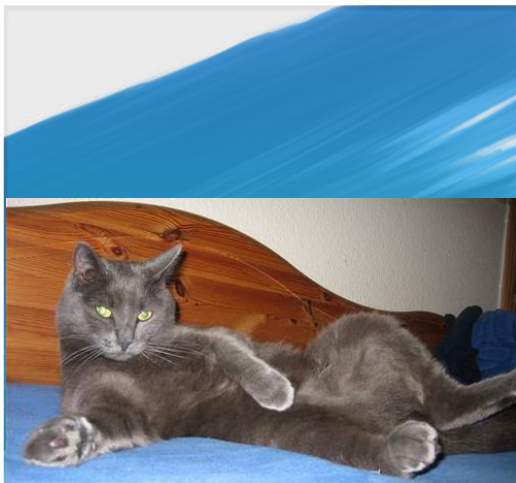
1. Very limited prompt generation capability.
2. Unreliable image recognition. Doodle dataset itself is **unreliable**.



Found **new ideas** to research on and improve 1 & 2.

Byproduct: Doodle Dataset Training Generator. To be open-sourced.

Achievement



Hot or Not?

Play Test Experience (1)

1. Doodle recognition is almost always wrong.
2. UI is easy to understand.
3. User's drawings have much more variety and detail than the doodle dataset.



END



Game loop

