

### **TOPICS**

- 1. Gamification
  - Applications
  - Benefits
  - Examples (Kahoot)
- 2. 3D printing
- 3. Al platforms: Using Gen Al chatbots
  - POE assistant (Anthropic),
- 4. Gen Al: Using Gen Al to Generate Audios and Sounds
  - Elevenlabs (Elevenlabs)
- **5. Gen Al**: Using Gen Al to Generate Videos from images



## Gamification



It is a strategy that integrates entertaining gaming elements into nongame contexts

It is when you add elements from games—like scores, levels, or prizes—to everyday activities to make them more interesting and motivating.



Successful gamification requires understanding the audiences and the context.

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## Applications of Gamification



**Educational gamification** 



Business gamification



Gamification in social networks



Gamification in health and wellness

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## Applications of Gamification

#### **Educational Gamification**

Using game-like elements to <u>enhance learning experiences</u>, making education more engaging, interactive, and motivating.

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#### **Examples**:

- 1) H5P tasks in JUExams and Elearning
- 2) Learning languages using Duolingo for example.
- 3) Education games on tablets for kids and adults, like in Kahoot



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## Applications of Gamification

#### **Business Gamification**

The use of game-like elements (such as points, rewards, competition, and levels) in non-game <u>business environments</u> to <u>motivate employees and engage</u> customers.

#### **Examples:**

- 1) A company creates a sales leaderboard where sales representatives earn points for each sale. They can track their progress and compete with others to reach milestones or win prizes.
- 2) Getting reward points every time you make a purchase.
- 3)**Pizza Hero**: a gamified app that allowed users to virtually make pizzas in a fun, interactive way. The app used game-like elements to <u>engage customers</u> and <u>raise pizza sales</u>.

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## Applications of Gamification

#### **Gamification in Social Networks**

The integration of game-like elements—such as points, badges, challenges, rewards, or levels—into social media platforms to encourage user interaction and participation.

#### **Example :LinkedIn Endorsement**

Is a feature that allows users to recognize the skills of their connections on LinkedIn. When someone endorses you, they confirm that you have a particular skill or expertise, which can strengthen your professional profile and credibility.



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## Applications of Gamification

#### Gamification in Health and Wellness

Applying game-like elements to <u>encourage healthier behaviors</u> and <u>motivate individuals to engage in fitness activities, nutrition</u> tracking, and overall well-being.

#### **Examples:**

- Fitness Apps incorporate challenges, levels, and rewards. Users earn points for completing workouts or achieving milestones.
- 2) Nutrition Apps provide daily challenges to log your food and keep track of your meals. Users earn rewards and get reminders for regularly logging their meals and staying within their calorie or nutrient targets.

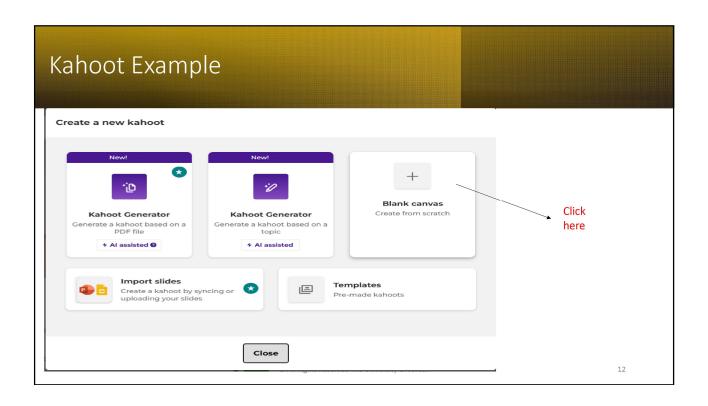


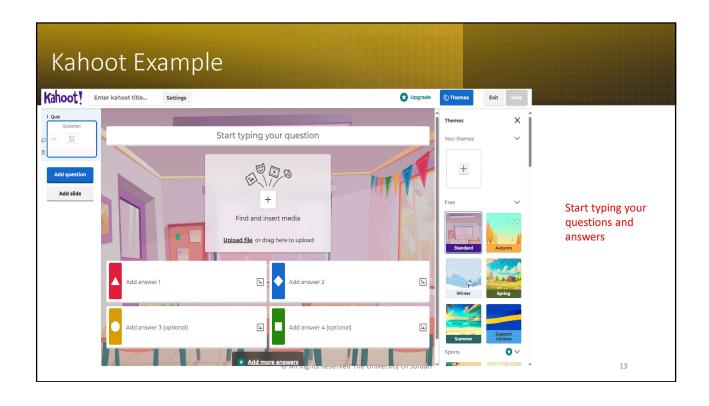
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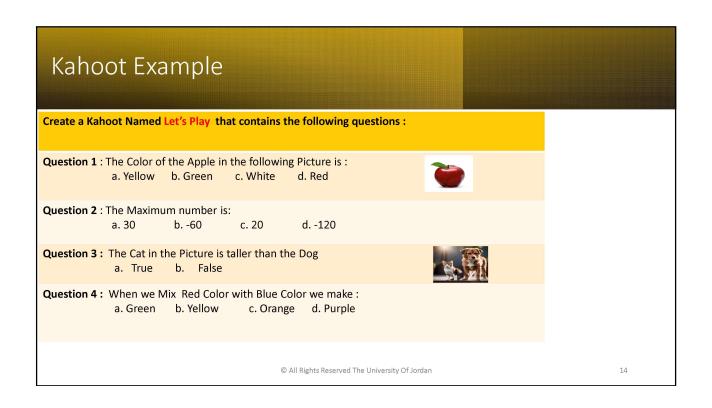


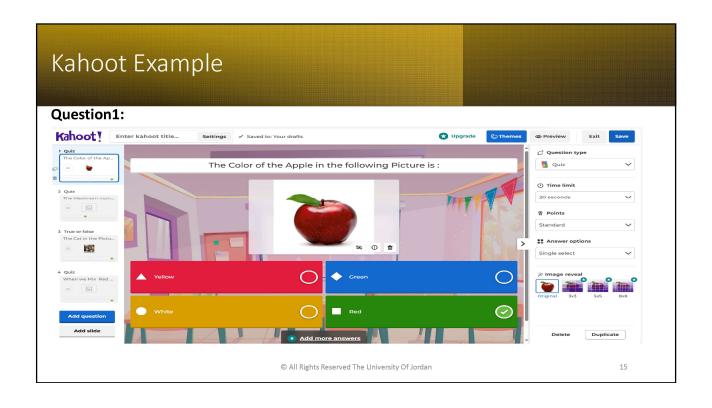


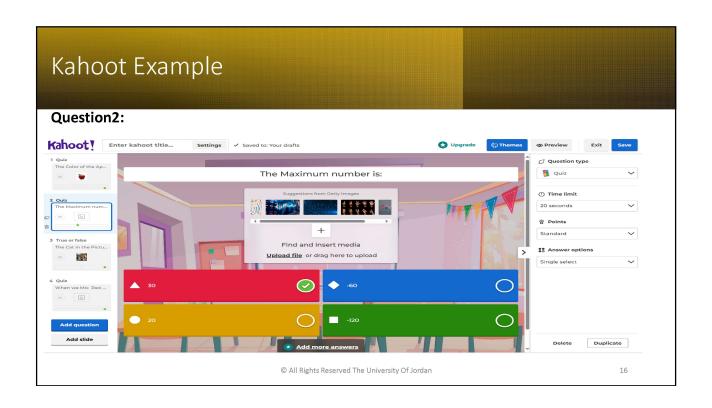


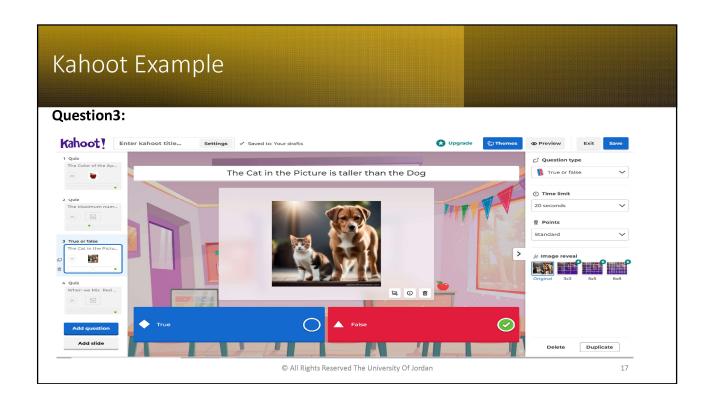


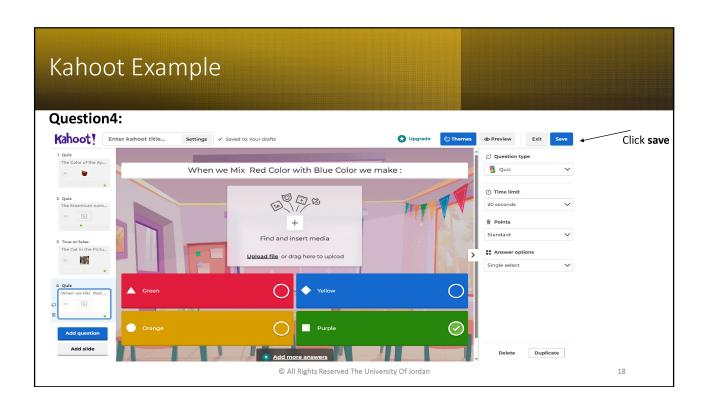


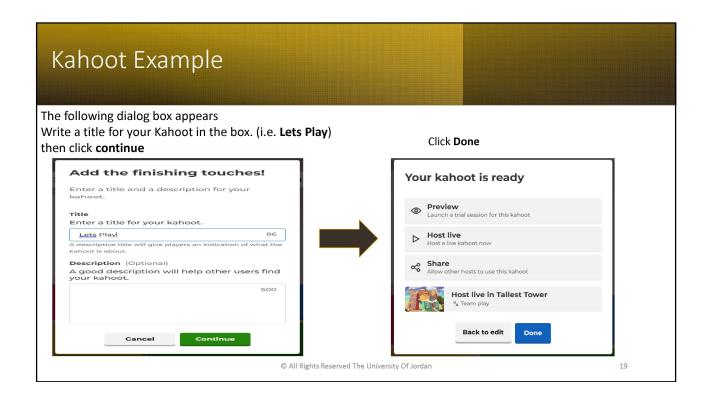


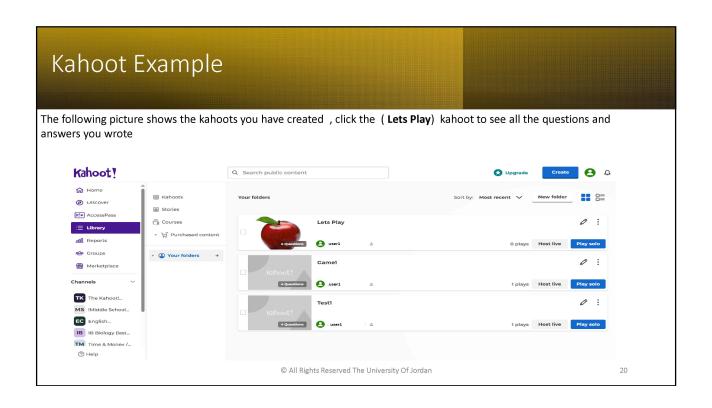


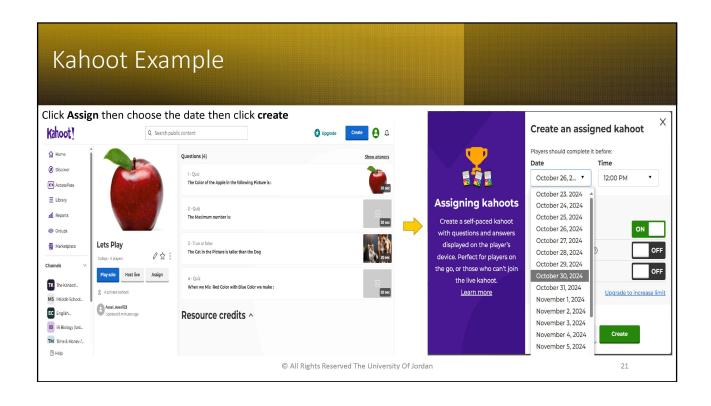


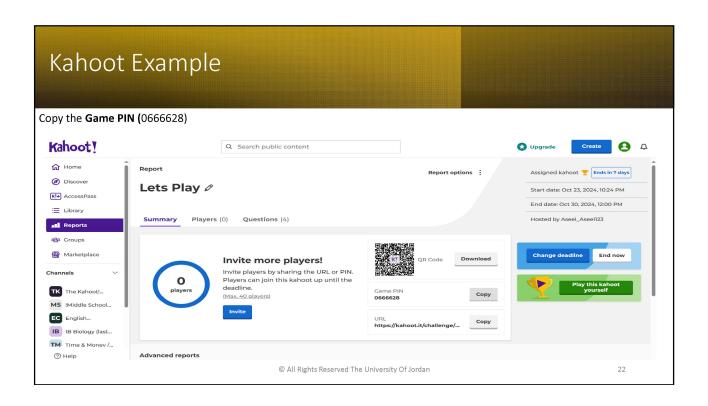




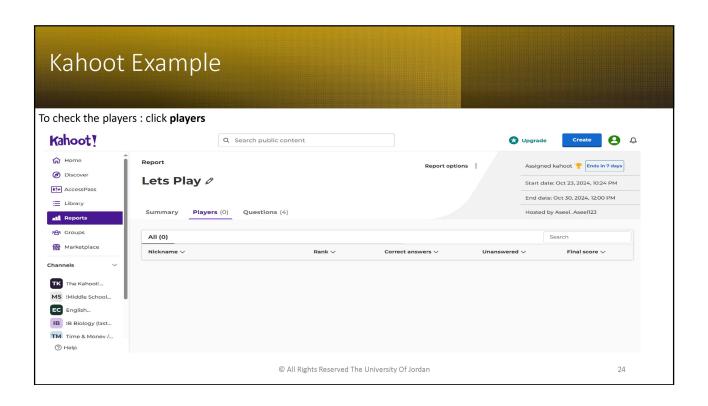




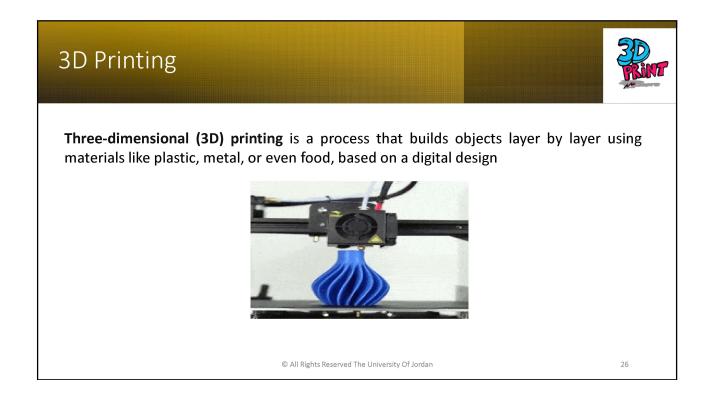












# Examples - 3D Printing



**Toys:** A 3D printer can make custom toy figures or puzzle pieces.



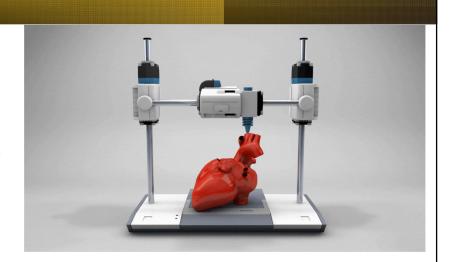
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# Examples- 3D Printing



Medical Uses: Doctors can print prosthetic limbs or models of organs for surgeries.



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## Examples - 3D Printing



**Cake**: Special 3D printers can create cake designs or print with chocolate.



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# Examples - 3D Printing



**House**: large 3D printers can Fastly print houses by layering concrete



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### Al platforms: Using Gen Al chatbots

## **POE** assistant (Anthropic)



POE is an AI platform from Anthropic (a hub for various AI models and chatbots), https://poe.com/

Let's try to use it with the following examples (prompts):

- 1. Text to image (Image generation bots): "create an image of four children playing in the backyard of their school (Using Playground).
- 2. Create diagrams: Visualize water cycle in nature (Using Playground).

•Both POE (Anthropic) and Playground (Open AI) are platforms that allow users to interact with AI models (e.g., OpenAI's GPT series) for generating responses.

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# Gen Al: Using Gen Al to Generate Audios and Sounds Elevenlabs (Elevenlabs)

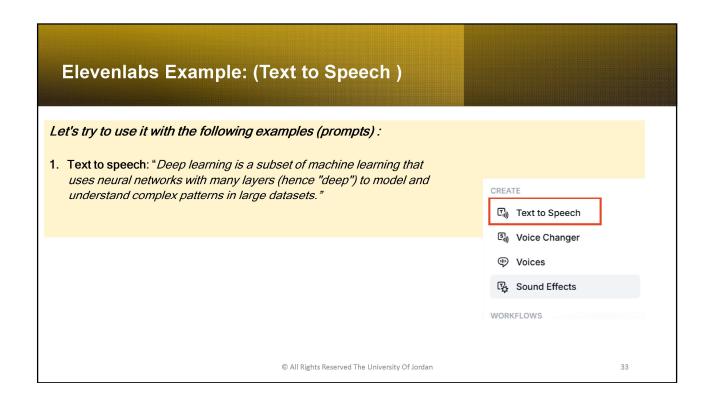
Elevenlabs: a generative AI application that generates audio and sounds

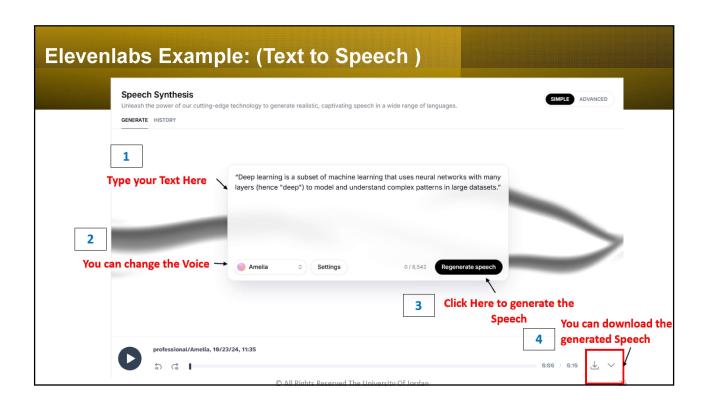
- Developed by Elevenlabs.
- Founded in 2022
- · creates Sounds, sound effects, voices.
- Text → audio

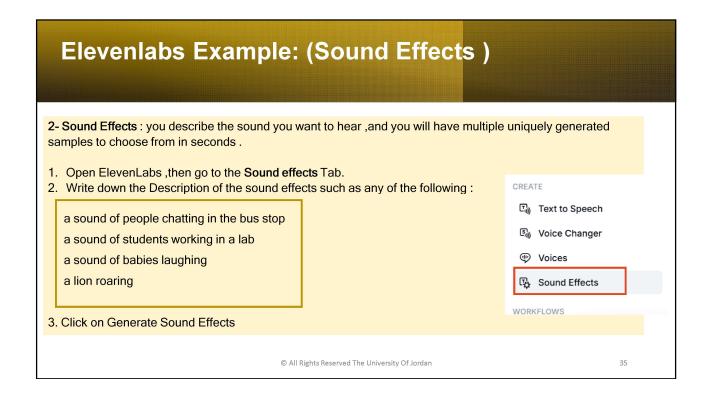
https://elevenlabs.io/

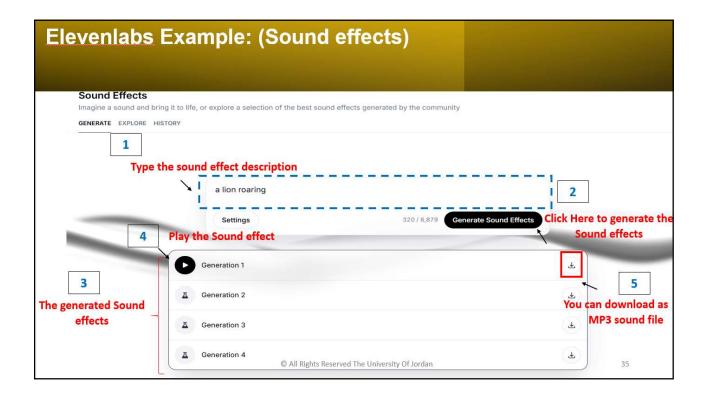


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# Gen Al: Using Gen Al to Generate Videos from images Luma Dream machine(Luma)



### Luma dream machine is a Video Generator.

It is an AI model that makes high quality, realistic videos and 3D images from text and images

https://lumalabs.ai/dream-machine

Let's try to use it with the following examples (prompts):

1. (Luma dream machine): Animate an image of the baby to smile and clap his hands (you have to give it an image of a baby)

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