European School of Architecture

COURSE GUIDE

_A.I.

EVOLVE YOUR CREATIVITY
Artificial Intelligence in Architecture

THE WAY WE WORK

Artificial intelligence:
A big step for Architecture

A great revolution is coming in architecture. Technology is evolving, and this sector will change radically. Get ready and start understanding how Artificial Intelligence works and its applications in space creation.

Design projects in partnership with Artificial Intelligence using applications such as Midjourney, Dall-E, or Stable Diffusion to expand your creativity and speed in design.

Become a tamer of Artificial Intelligence and understand a new thinking process. It's a young sector, and we invite you to jump on board now to avoid falling behind.

Boost your creativity hand in hand with Artificial Intelligence.

THE WORKSHOP

CONTENT

Course Info//

Tutors:
Vicente Molina Domínguez - Architect and Building Engineer.
James St Maur Mills Bradley - Architect

Professional experience: mtres studio | Rogers Stirk Harbour + Partners | svam.

Academic Career: CEU Universidad San Pablo | Universidad Rey Juan Carlos | Syracuse University

Recommended for: Graduates in Architecture, Interior Architects, Architecture Students, Building Engineers, Interior Decorators, Set Designers, Professionals in the field of art, etc

Audio: **English.**

Duration: **10 video hours + 5 hours of work**

Operating system: **Windows or Mac.**

Software: **Midjourney | Dall·e | Photoshop | Otras Apps**

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Update Lessons:

Artificial Intelligence is a very young sector and software updates are continuously released. Update chapters will be incorporated with the aforementioned improvements.
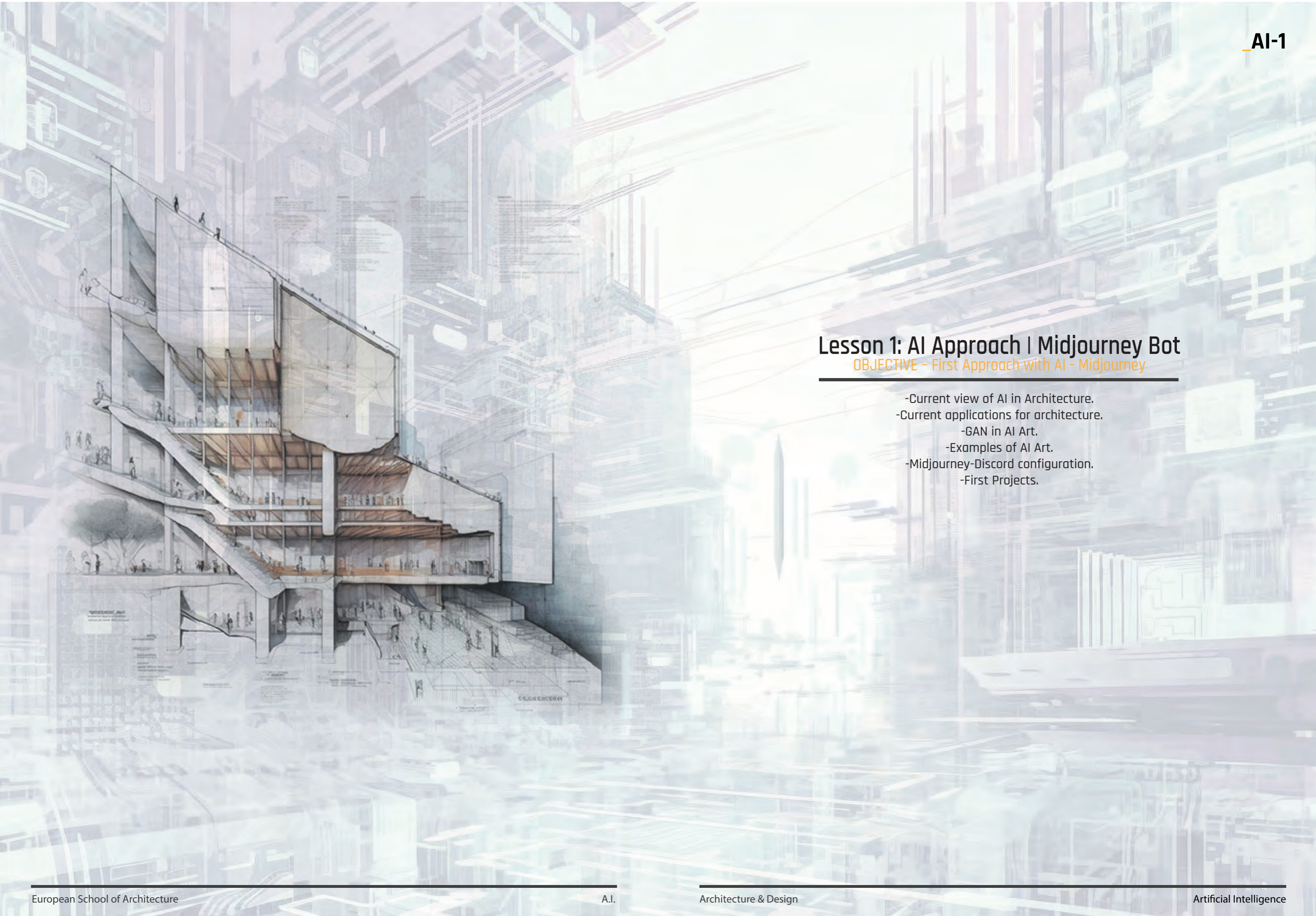
Lesson 1: AI Approach | Midjourney Bot
OBJECTIVE – First Approach with AI - Midjourney

-Current view of AI in Architecture.
-Current applications for architecture.
-GAN in AI Art.
-Examples of AI Art.
-Midjourney-Discord configuration.
-First Projects.

Lesson 2: Forest Villa
OBJECTIVE - Preparing a house project for a client

-Prompts craft with Midjourney.
-Remix
-Advanced Parameters.
-Command List.
-Settings and Presets.
-Exterior images generation of a single-family house.
-Generation of interior images.

Lesson 3: Workflow Midjourney - Photoshop
OBJECTIVE – Workflows and Advance Prompts

-Advanced Prompts Design.
-From SketchUp to Midjourey.
-Prompts for architecture.
-Image Prompts.
-Styles and chaos.
-Postproduction with Photoshop.

Lesson 4: Project Blending
OBJECTIVE – Combine images with Midjourney

-Blend command for merging images.
-Blend of 3 or more images.
-Plants and Sections.
-Creative and artistic Prompts.
-Multi-Image Prompt.
-Workflow Midjourney | Dall-e | Photoshop.
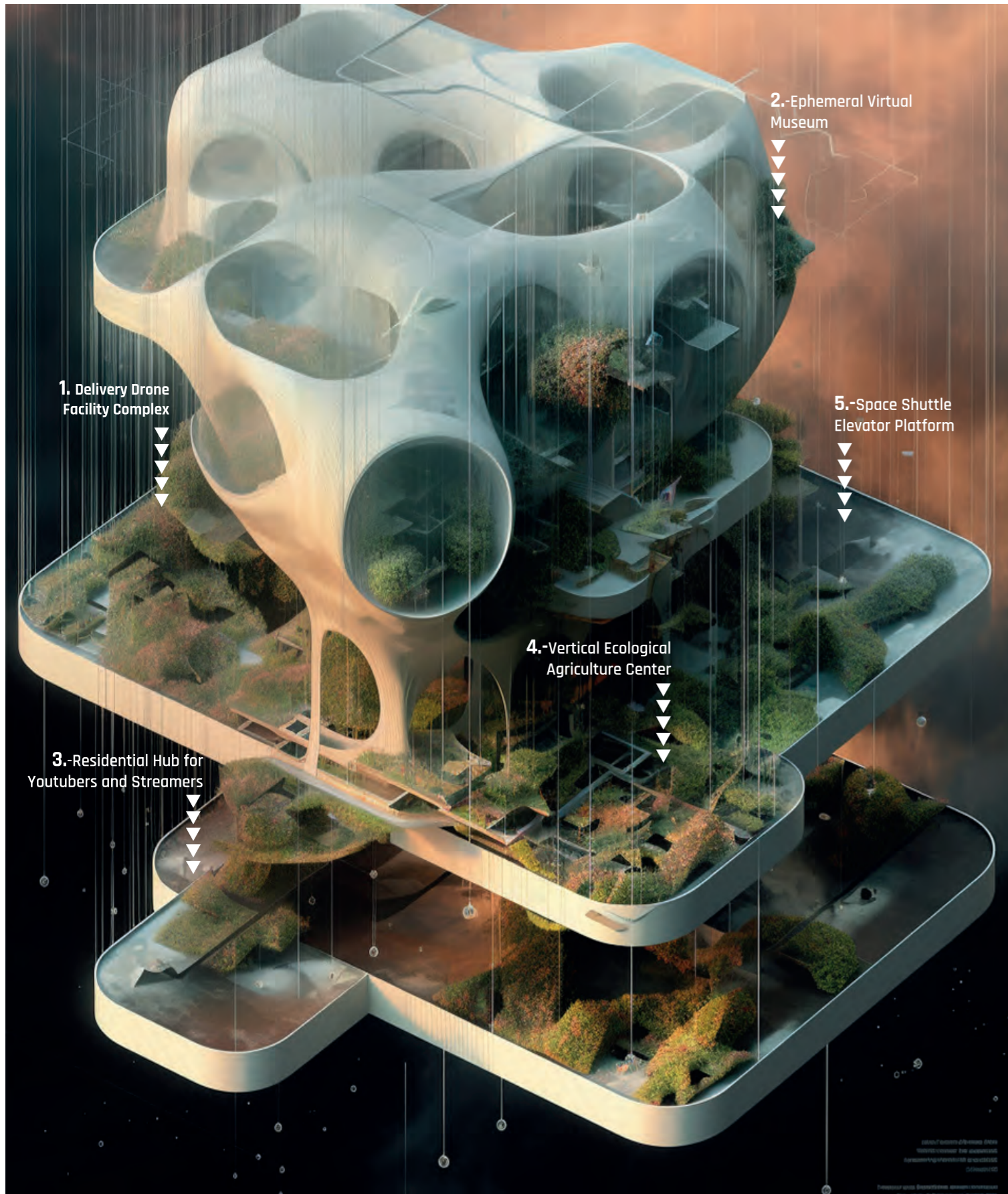
Lesson 5: Interior Design - Mood Board
OBJECTIVE - SPA interior design project

-Seeds configuration.
-Project Management Prompt-Project Architecture.
-Suffix.
-Weights. Word weights.
-Reference Images for Midjourney.
-Upscale Resolution - Replicate.
-Reverse Prompt.

Lesson 6: Photoshop AI - API
OBJECTIVE – Artificial intelligence and Photoshop

-Default tools with Artificial Intelligence.
-Filling with Content-Aware.
-Object selection using Artificial Intelligence.
AI-generated skies.
-Neural Filters. Lanscape Mixer.
-Camera Raw with intelligent selection.
-Stable Diffusion API. Plugin for Photoshop
-Dall-E 2 API.

1. Delivery Drone Facility Complex

2.-Ephemeral Virtual Museum

3.-Residential Hub for Youtubers and Streamers

4.-Vertical Ecological Agriculture Center

5.-Space Shuttle Elevator Platform

Final Exercise - AI Competition
OBJECTIVE – Architectural Competition

-Global competition of an architectural project.
-Test everything you have learned with AI.
-Competition rules on the web-platform.

AI Competition
ESOARCH COMPETITION FOR AI DESIGNERS

PROJECTS:
1.-Delivery Drone Facility Complex
2.-Ephemeral Virtual Museum
3.-Residential Hub for YouTubers and Streamers
4.-Vertical Ecological Agriculture Center
5.-Space Shuttle Elevator Platform

SELECTION:
Participants are required to select
only one of the above projects.

UBICATION:
No specific location

PRIZE:
More info on course web platform

ANNOUNCEMENT OF THE WINNERS:
More info on course web platform

SUBMISSION REQUIREMENTS:
-Participants are required to upload one (1) A2
landscape-orientated presentation board (must
not exceed 20 MB)
-NO TEXT

PRESENTATION DRAWINGS:
-Sections
-Elevation
-Floor Plans
-Exterior Renders
-Interior Renders
-Axonometrics
-Diagrams
Recomended: 4 or 5 total set of drawings

JURY:
More info on course web platform

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Access Link:

CLICK HERE

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