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Module Title: Evolving Your Creative Craft

Course Name: BA Animation & VFX

Assignment 1:

Idea Generation and Iterative Design Portfolio

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Introduction

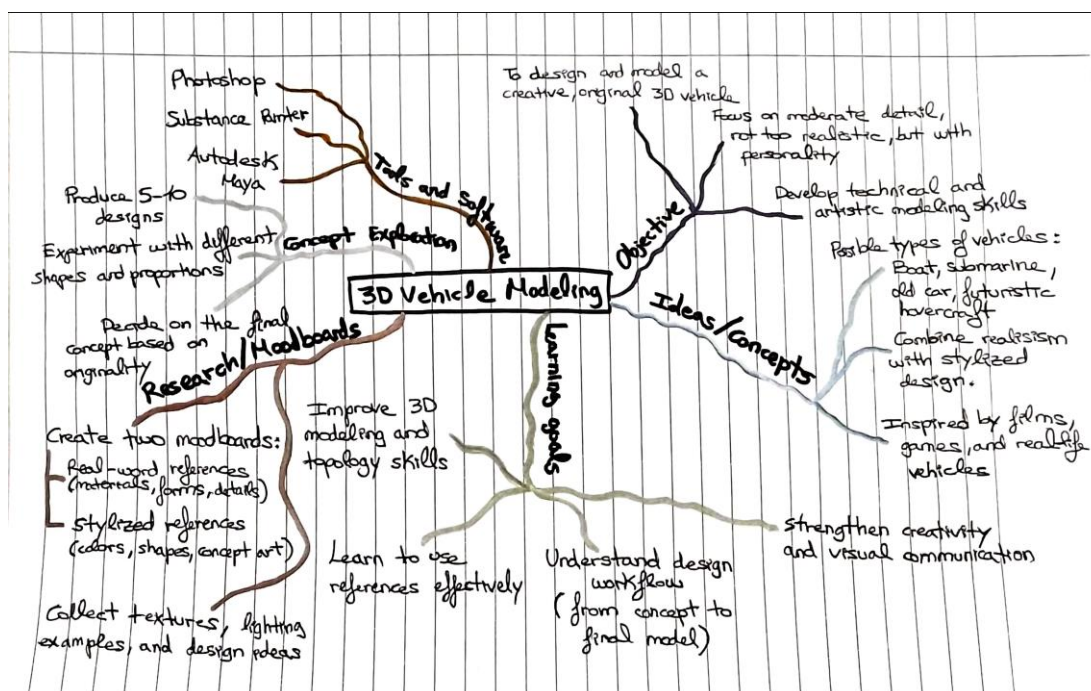
The main goal of this project is to design and model a 3D vehicle using Autodesk Maya. I want to create an original vehicle that shows creativity and attention to detail, without being too realistic. This project will allow me to explore modeling techniques, references, and the overall design process used in 3D production.

I plan to start a mind map to organize my ideas, advantages, and examples related to the topic. My focus will be on vehicles, although I'm still deciding on the final concept. Possible ideas include a boat, a submarine, a train, or an old-fashioned car.

Next, I will develop two moodboards to collect references, colors, and styles that inspire me and help define the visual direction of the project.

Then, I will create 5-10 concept sketches or test designs to experiment with different shapes and styles before selecting the final one to model in 3D. The goal when creating the final model is to produce a detailed and unique 3D vehicle that reflects creativity and design thinking, while demonstrating my growing skills in Autodesk Maya.

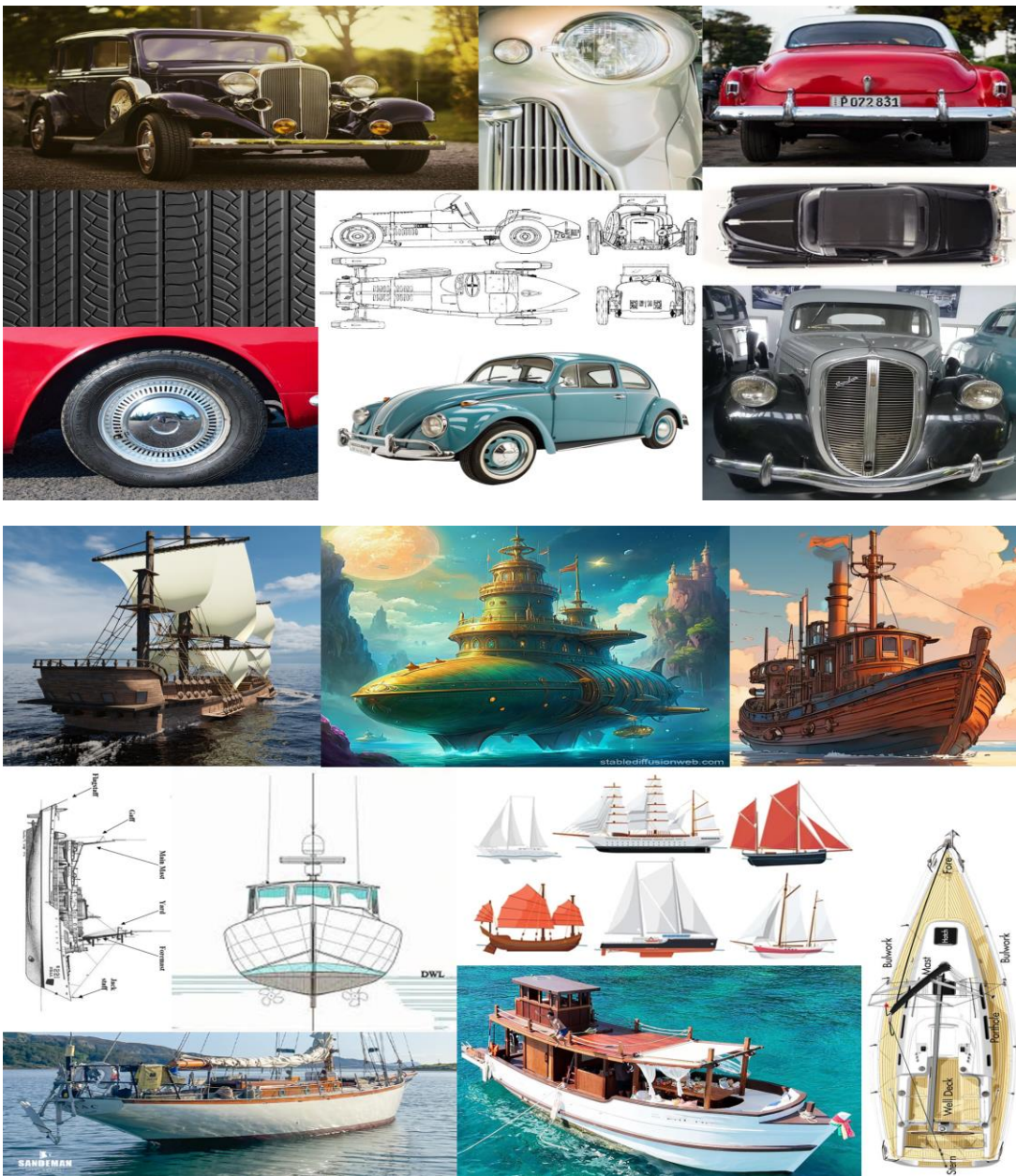
TASK A: MIND MAP



(The color tone in the Mind Map was a bit lost when it was scanned to PDF).

TASK B: MOODBOARDS

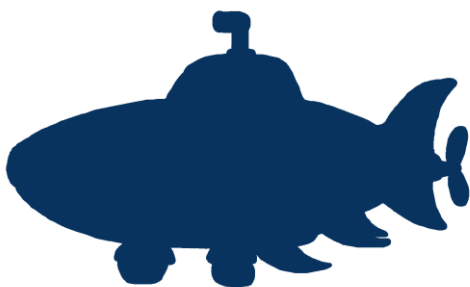
To gather realistic references that inspire the structure, materials, and functions of the vehicle. These images will help me understand real forms, mechanical parts, and proportions.



TASK C: INITIAL DESIGNS



1. This silhouette I made in photoshop is inspired by the shape of a classic vintage car, but it has been reimagined as a vehicle capable of traveling both on land and water. The rounded curves and compact proportions reflect the elegant aesthetic of 1950s car design, while the addition of a fin-like rear and an antenna on top suggest futuristic or aquatic functionality. The intention behind this concept is to blend nostalgia with innovation, creating a design that feels both familiar and imaginative. The potential materials would be lightweight metal or fiberglass for buoyancy and durability.

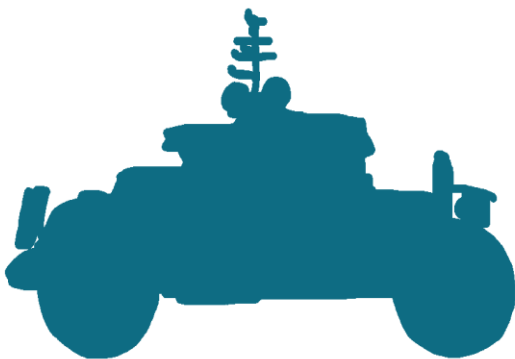


2. This one explores the idea of a simple hybrid vehicle that can travel both underwater and on land. The main shape takes inspiration from the rounded form of a classic submarine, while the addition of small wheels suggests land mobility. The design aims to merge two contrasting functions, deep-sea exploration and ground transportation. The smooth, aerodynamic body enhances its aquatic potential, while the compact wheels indicate that it could

move slowly but steadily on solid surfaces. The potential materials could have a pressure-resistant metal hull with reinforced rubber wheels.



3. This one is like a wheeled sailing ship, combining the form of a traditional sailing ship, also with the functionality of a land vehicle. The large sails and vertical structure suggest movement powered by wind, while the wheels underneath introduce the possibility of ground mobility. The inspiration comes from historical sailing ships, caravans, and old cars with the purpose of exploring a nostalgic yet sustainable vehicle concept. The potential materials could have wood and canvas combined with lightweight metal for stability.



4. This design resembles a vintage exploration vehicle, merging the elegance of an old automobile with the spirit of a scientific research ship. Its broad front structure and oversized wheels suggest strength and adaptability across varied terrain, while the elevated upper platform recalls the observation decks of ocean vessels. The concept draws inspiration from early 20th century cars, expedition

ships, and mechanical curiosities of the industrial age. Potential materials might include polished wood, brushed aluminum, and reinforced canvas, blending classic craftsmanship with sense of discovery and innovation.



5. This silhouette is based on the shape of a contemporary ship, but it integrates organic and natural elements into its form. The flowing lines and curved shapes are like big leaves or the tail of a sea creature, suggesting harmony between man-made design and the natural environment. The concept explores the idea of sustainable marine transportation, where modern technology works in balance with nature rather than against it. The overall silhouette aims to convey both strength and fluidity, symbolizing adaptation and coexistence within the ocean world with a visual focus on the combination of industrial structure with organic curves. The potential textures could have surfaces with leaf-like or marine-inspired textures, such as patterns resembling scales, coral, or plant veins, to emphasize the connection with natural forms.

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