PROJECT BRIEF — FIBO Studio Director

Vision:

A professional AI art direction engine that converts any creative brief into controlled, production■ready visual generation using Bria FIBO's JSON■native capabilities.

Key Features:

1. Creative Brief → JSON Conversion

2. Director Panel (Camera, Lighting, FOV Controls)

3. Multi■shot Scene Generator

4. Agent Layer (Auto■Fix)

5. Export Tools (JSON, Images, ComfyUI)

Architecture:

Prompt → JSON Translator → Scene JSON → Editor Panel → FIBO Engine → Agent → Final Output

Tech Stack:

Frontend: React, Tailwind, shadcn/ui

Backend: FastAPI/Node

AI: Bria FIBO, JSON Schemas, Optional LLM

Storage: S3/Firebase

Team Tasks:

Frontend – UI + JSON Editor

Backend – API + JSON Validation

AI – FIBO Integration + Agent

Docs – Demo Video + README

Roadmap (20 Days):

Week 1: Architecture + JSON Pipeline

Week 2: Multi■shot + Agent + Controls

Week 3: Polish + Video + Deploy

This project showcases controllability, JSON-native workflows, and real production value — aligned with hackathon judging criteria.