

# Quantum Vision Filmfest – Integrated Development & Architecture Plan

## 1. Development Approach – Simple, Scalable, DApp-Compatible

The system is Web2-based with a lightweight, fast-to-develop architecture.

**Core features:** registration, submission of entries, voting, and Stripe-based payments.

**Optional Web3 integration:** wallet connection and stablecoin payment available only for discount and whitelist eligibility.

All submitted materials (video, storyline, script) are structured to be **migratable** to the future decentralized DApp platform.

**Note:** The DApp is **not part of the current development scope** — it is mentioned only as a **future goal**.

Submitted works will become the **first featured content** on the DApp.

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## 2. Payment Structure – Fiat & Stablecoin Options

Type	Description
Fiat Payment	USD / EUR via Stripe (credit card, Apple Pay, etc.)
Stablecoin Payment	USDT / USDC → 25% discount on all payments (submission and extra votes)
Wallet Connection	Optional, but required for crypto payments and whitelist eligibility
Extra Votes	Can be purchased using either fiat or stablecoin (25% discount with crypto)

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## 3. Technical Requirements – Submission Materials

Element	Requirement
Video Format	.MP4 (H.264), max 500 MB, minimum 720p resolution, 16:9 aspect ratio
Storyline / Script	PDF format, max 5 MB
Video Player	Embedded HTML5 player (Plyr.js or Vimeo API)

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## 4. Rights & Content Licensing Declaration

Participants must accept the **Content Licensing Agreement**, which states:

- They **waive all commercial distribution rights** in favor of the Quantum Vision Filmfest and its official platforms.
- They **retain all copyright**; their name will always be credited.

- They grant the organizers **6 months of exclusive publishing rights**.
- After 6 months, they may share the content on their personal social platforms — unchanged.

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## 5. Voting System & Extra Vote Packages

Function	Description
Basic Rule	1 vote per category, per user, per week
Extra Votes	Purchase packages, max 10 per category per week

### Vote Packages:

Package Name	Extra Votes / Category / Week	Price
Supporter Mini	+1	\$2
Supporter Pro	+3	\$5
Super Voter	+10	\$15
Presale Bonus	+5	Free with presale package

✓ Payments via **Stripe** and **stablecoin**

✓ **25% discount** when paying with stablecoin

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## 6. UI / UX – Voter Interface

- Category cards with embedded video players
- "Vote" button appears only if the user hasn't voted that week
- "Buy Extra Votes" opens modal window
- Gamified elements: vote counter, "Super Voter" badge

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## 7. Required Legal Documents

Document	Content Description
General Terms & Conditions	Participation, technical, and financial regulations
Privacy Policy	GDPR compliance, cookies, and data handling
Content Licensing Agreement	Rights over submitted materials
Submission Rules	File formats, deadlines, disqualifying content

Document	Content Description
Voting Policy	Voting mechanics, extra vote rules
Refund Policy	Withdrawal and refund terms
NFT Eligibility Statement	Rights regarding NFTs to be activated at the launch of the DApp

## 8. Website Architecture & Reference Example

The site follows a **one-page scroll** layout inspired by:

 <https://www.shortoftheweek.com/>

Key Features:

- Hero section with slogan & call-to-action buttons
- Category overview
- Submission details & payment options
- Presale info + external redirect
- Merchandise via Printful
- Voting & registration
- Legal section (T&C, GDPR) – Separate checkbox during registration and double opt-in email confirmation is implemented.

## 9. Language Structure (i18n)

Function	Details
Website Languages	Default: English; Optional: Spanish, Chinese
Submission Materials	Only accepted in English; videos may be in other languages with English subtitles
Technology	Implemented using next-i18next or react-i18n
Translation Handling	Static JSON files; <b>no automatic machine translation</b>

## 10. DApp Context – Future Goal

“The submitted short films will be featured in the upcoming decentralized platform (DApp), which is currently under development. While not part of the current project scope, all content is structured to be compatible with the DApp system.”

The current platform is **not a DApp**, but is fully **prepared for future migration**.

# QUANTUM VISION FILMFEST – ARCHITECTURE MAP (FINAL VERSION)

## 1. USER ENTRY POINTS

Visitor access channels:

- Direct domain access (e.g., quantumvisionfilmfest.com)
- Social media ads (Instagram, TikTok, YouTube Shorts, X)
- Film platform profile pages (e.g., FilmFreeway, Festhome)
- Partner websites / influencer links / referrals

After registration, two user roles are defined:

- **Viewer / Voter:** Can watch videos and cast votes
  - **Contestant:** Can submit entries after completing payment and accepting legal terms
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## 2. LANDING PAGE STRUCTURE

**Hero Section:**

- Festival slogan and visuals
- Buttons: “Enter Now,” “Connect Wallet,” “Presale Info”

**About / Mission:**

- Introduction to Quantum Vision
- Vision and future DApp context

**Category Overview:**

- Brief description of the 6 main genres
- Link to detailed challenge descriptions

**Submission Info / Requirements:**

- Video length: 5 minutes  $\pm$ 15 seconds
- Storyline (max 2-page PDF)
- Script draft (4-part PDF)

**Voting / Community Engagement:**

- 1 vote per category per week per user
- Option to purchase extra votes
- Gamification: badges, counters

**Payment Section:**

- Entry fee: USD/EUR via Stripe

- Stablecoin (USDT/USDC) payment: 25% discount
- Wallet connection: optional

#### **Presale Redirect:**

- Explanation of token purchase discounts
- Whitelist logic overview

#### **Merch & Supporter Shop:**

- Printful API – shirts, hats, posters
- NFT passes, extra vote packages

#### **Footer:**

- Legal documents (Terms & Conditions, Privacy Policy, NFT Rules)
  - Social icons, contact information
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### **3. SYSTEM ARCHITECTURE – MODULAR STRUCTURE**

#### **◆ Web2 Backend:**

- Registration database (email + password)
- Double opt-in + GDPR checkbox
- Stripe payment integration
- File upload handling (.mp4, .pdf)
- Admin panel (submission approval, status management) – Option for manual approval or automatic publishing of entries.

#### **◆ Web3 Module (Optional):**

- Wallet connection (RainbowKit + wagmi)
- Stablecoin payment (NOWPayments or custom gateway)
- Whitelist logic: stored as JSON in backend  
{ wallet: eligible, type: 'creator' / 'supporter' }
- Presale platform integration: if wallet is on whitelist → 10% token discount

#### **◆ Voting System:**

- 1 vote per category per week
- Extra votes via Stripe or stablecoin
- Badges and visual feedback system

#### **◆ Video Gallery:**

- Videos sorted into 6 categories
- Embedded HTML5 player (e.g., Plyr.js or Vimeo)
- Voting button with feedback indicator

#### ◆ Admin Interface:

- Review of uploaded submissions
- Voting statistics tracking
- Export whitelist wallet list
- Manage purchases and payments transparently

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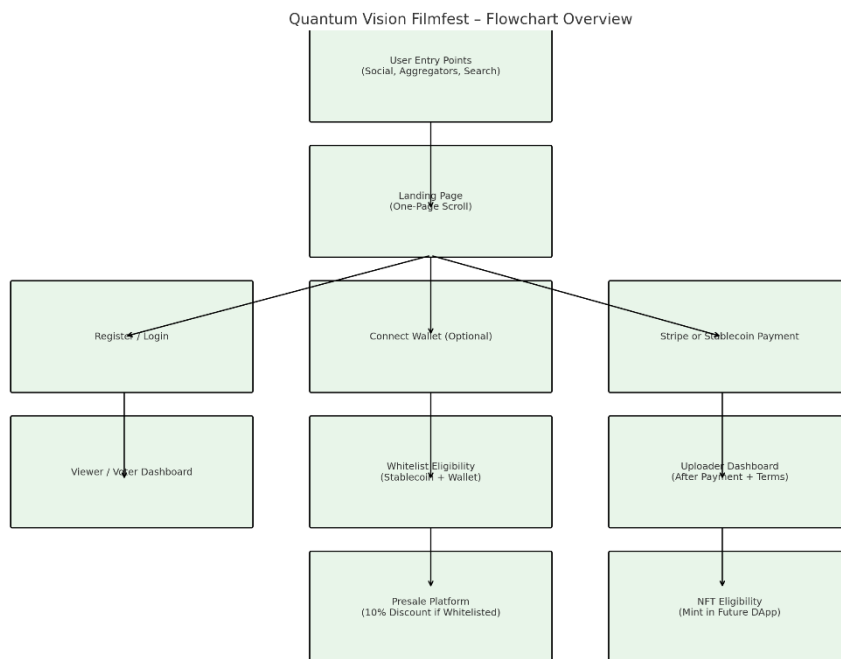
## 4. TECH STACK RECOMMENDATION

Function	Technology
Frontend	Next.js + Tailwind CSS
Backend (Web2)	Node.js / Express or Firebase
Web3 Integration	wagmi, ethers.js, RainbowKit
Fiat Payment	Stripe
Stablecoin Payment	NOWPayments / custom smart contract
File Storage	IPFS + fallback Amazon S3
i18n (Multilingual)	next-i18next using JSON structure
Shop / Merch	Printful API + Stripe Checkout
Video Player	Plyr.js or Vimeo API

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## 5. WHITELIST LOGIC (KEY FEATURE)

1. User registers on the site
2. Optionally connects wallet
3. Makes a stablecoin payment
4. If both steps are completed: → system automatically adds the wallet to a **backend whitelist** (stored as JSON)
5. **Presale platform** checks the whitelist: → if wallet is listed, a **10% discount** is applied during token purchase



## 11. Supplementary Legal and Technical Notes

- The Content Licensing Agreement and General Terms & Conditions will be available as separate formal legal documents.
- During registration, users will be required to explicitly accept GDPR and content usage terms via checkbox confirmation.
- The upload and registration pages will clearly explain all participation and licensing terms in user-friendly language.
- An infographic or visual guide explaining NFT eligibility and future minting will be created prior to the end of the contest.