**📄 7. Module Descriptions (Expanded)**

**1. Authentication Module**

**Objective**:  
To securely manage user registration, login, role assignment, and access control.

**Functions**:

* User sign-up (email, password, role, category, experience level)
* Secure login using JWT (JSON Web Tokens)
* Password encryption using bcrypt
* Middleware for route protection (creator/admin-only routes)

**Actors Involved**: Creator, Admin

**Technology Used**: Node.js, Express.js, JWT, bcrypt

**2. User Profile Module**

**Objective**:  
To allow creators to manage their personal brand and display their identity publicly.

**Functions**:

* Create/edit profile: name, bio, category (cinematographer, musician, model), genre
* Add social media links
* Specify experience level: Beginner / Intermediate / Professional
* Generate unique public profile URL (e.g., /creators/username)
* Control visibility of certain sections (optional)

**Actors Involved**: Creator, Viewer

**Technology Used**: React.js, Node.js, MongoDB

**3. Media Upload & Portfolio Module**

**Objective**:  
To enable creators to upload and showcase their work in various media formats.

**Functions**:

* Upload videos, audio files, images, or documents
* Tag content by type, genre, or project
* Organize content within the portfolio section
* View media in dynamic layouts based on creator type
* Delete or edit uploaded content

**Actors Involved**: Creator, Viewer

**Technology Used**: Cloudinary / Firebase Storage, React.js, Node.js, MongoDB

**4. Achievements Module**

**Objective**:  
To allow creators to highlight their career milestones and projects.

**Functions**:

* Add achievements: title, description, date, media (optional)
* Display achievements on public profile (timeline or cards)
* Edit/delete achievements anytime

**Actors Involved**: Creator, Viewer

**Technology Used**: React.js, Node.js, MongoDB

**💬5. Feedback Module**

**Objective**:  
To allow viewers to provide private appreciation or suggestions to creators.

**Functions**:

* Anonymous or named feedback submission form
* Feedback stored privately; visible only to the creator
* Admin moderation for spam control
* No login required for viewers

**Actors Involved**: Viewer, Creator, Admin

**Technology Used**: Node.js, MongoDB

**6. Discovery & Search Module**

**Objective**:  
To help viewers find creators based on profession, genre, or keywords.

**Functions**:

* Filter by creator category (e.g., cinematographer, musician)
* Filter by genre or niche (e.g., food photography, hip hop)
* Search by name or keyword
* Sort options (e.g., newest, featured)

**Actors Involved**: Viewer

**Technology Used**: MongoDB queries, React.js search filters

**🛠️ 7. Admin Panel Module**

**Objective**:  
To give administrators control over platform content and user behavior.

**Functions**:

* Admin login
* View/manage all creator profiles
* Moderate media and feedback
* Feature selected creators or flag inappropriate content
* Monitor platform usage (basic stats)

**Actors Involved**: Admin

**Technology Used**: React.js (admin dashboard), Node.js, MongoDB

**8. Dynamic UI Rendering Module**

**Objective**:  
To personalize the profile layout based on the creator’s category and experience level.

**Functions**:

* Apply different layouts/templates per category
* Media section styled differently for each type (e.g., audio player for musicians)
* Experience level could influence design (e.g., beginner = simpler UI)

**Actors Involved**: Creator, Viewer

**Technology Used**: React.js conditional rendering, CSS / Tailwind

**9. Future Modules (Planned)**

Not in MVP, but planned for future upgrades.

| **Module** | **Description** |
| --- | --- |
| **AI Matching** | Suggest creators to potential clients or collaborators |
| **Analytics** | Track views, engagement, and content popularity |
| **Collaboration Rooms** | Chat, co-create, and pitch projects in shared spaces |
| **Booking/Monetization** | Allow clients to hire creators directly via the platform |