**Software Requirements Document: [Project Name – Doork3y]**

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**1. Introduction**

* **1.1 Purpose:** This document outlines the functional and non-functional requirements for the [Project Name - e.g., ConnectInvest Platform], a web application designed to connect entrepreneurs seeking funding with investors looking for investment opportunities.
* **1.2 Scope:** The system will provide features for user registration, login, profile management for both investors and entrepreneurs, pitch creation and management by entrepreneurs, and browsing/discovery features for both user types. It includes public-facing informational pages and dedicated dashboards for logged-in users. The initial scope *excludes* direct handling of financial transactions, complex legal compliance checks beyond basic T&Cs acceptance, and the features explicitly listed under Future Scope (Section 7).
* **1.3 Definitions, Acronyms, and Abbreviations:**
  + **Platform:** The ConnectInvest web application.
  + **User:** Anyone interacting with the platform (Public Visitor, Investor, Entrepreneur, Admin).
  + **Investor:** A registered user seeking investment opportunities.
  + **Entrepreneur:** A registered user seeking funding for their venture.
  + **Pitch:** A detailed proposal created by an Entrepreneur outlining their business, funding needs, and terms.
  + **MVP:** Minimum Viable Product.
  + **UI:** User Interface.
  + **UX:** User Experience.
  + **SRD:** Software Requirements Document.
  + **T&C:** Terms and Conditions.
* **1.4 References:** [List any other relevant documents, e.g., market research, design mockups - TBD]
* **1.5 Document Overview:** This document details the project's purpose, scope, user types, functional and non-functional requirements, MVP definition, development phasing, recommended technology stack, and future considerations.

**2. Overall Description**

* **2.1 Product Perspective:** The platform is a self-contained web application serving as a marketplace or intermediary connecting two distinct user groups: Investors and Entrepreneurs. It facilitates the discovery process for both parties.
* **2.2 Product Features Summary:**
  + User Registration and Login (Separate flows for Investor/Entrepreneur likely needed post-basic registration).
  + Secure Password Management (including Forgot Password).
  + Detailed Profile Creation and Management for Investors and Entrepreneurs.
  + Pitch Creation, Editing, and Publishing by Entrepreneurs.
  + Browsing and Filtering of Pitches (for Investors).
  + Browsing and Filtering of Investors (for Entrepreneurs).
  + Personalized Dashboards for Investors and Entrepreneurs.
  + Public informational pages (Home, About, How it Works, Contact).
  + Basic Analytics on dashboards.
* **2.3 User Classes and Characteristics:**
  + **Public Visitor:** Unauthenticated users who can view public pages (Home, About, How it Works, Contact) and initiate Registration/Login.
  + **Investor:** Authenticated users who complete their profile, browse/search pitches, view entrepreneur profiles, manage their indicated interests/investments (initially likely a simple list), and track basic metrics via their dashboard.
  + **Entrepreneur:** Authenticated users who complete their profile, create/manage pitches, browse/search investor profiles (potentially after verification), track their pitch performance (funds raised indication), and manage connections via their dashboard.
  + **Administrator (Implicit):** Backend users responsible for platform management, user management, content moderation (e.g., pitch approval), potentially managing verification processes, and system monitoring.
* **2.4 Operating Environment:** The application will be a web-based platform accessible via standard modern web browsers (Chrome, Firefox, Safari, Edge) on desktop and mobile devices (Responsive Design). It will be hosted on a cloud platform (e.g., AWS, Azure, GCP).
* **2.5 Design and Implementation Constraints:**
  + Must use modern web technologies.
  + Responsive design is mandatory.
  + User data privacy and security are paramount (compliance with relevant regulations like GDPR/CCPA should be considered).
  + The specific request for a "Door animation try it with spline if possible" on the home page should be investigated for feasibility and performance impact.
  + Development should follow agile methodologies.

**3. Specific Requirements**

* **3.1 Functional Requirements:**
  + **3.1.1 User Authentication & Authorization**
    - **REG-001:** The system shall allow users to register by providing Full Name, Email Address, Password, Re-entered Password, and Mobile Number.
    - **REG-002:** The system shall require users to accept Terms and Conditions during registration.
    - **REG-003:** The system shall perform basic validation on registration fields (e.g., email format, password complexity, matching passwords).
    - **REG-004:** The system shall prevent registration with duplicate email addresses.
    - **LOG-001:** The system shall allow registered users to log in using their Email Address and Password.
    - **LOG-002:** The system shall provide a "Forgot Password" mechanism, likely via email verification.
    - **LOG-003:** The system shall securely store user passwords (e.g., using hashing and salting).
    - **AUTH-001:** The system shall differentiate between Investor and Entrepreneur roles, potentially assigned during/after registration or profile completion.
    - **AUTH-002:** The system shall restrict access to features based on user role (e.g., only Entrepreneurs can create pitches).
  + **3.1.2 User Profile Management (Investor & Entrepreneur)**
    - **PROF-INV-001:** The system shall allow logged-in Investors to complete/edit their profile including: Profile Image, Banner Image, Town/City, Phone Number, Bio, and Account Details (Specifics TBD - e.g., investment preferences, accreditation status - needs clarification).
    - **PROF-ENT-001:** The system shall allow logged-in Entrepreneurs to complete/edit their profile including: Profile Image, Banner Image, Town/City, Phone Number, Bio, and Account Details (Specifics TBD - e.g., company details).
    - **PROF-DSP-001:** The system shall provide a dedicated webpage ("Account display webpage") to display Investor profile details (visibility rules TBD - public, logged-in users only, connected users only?).
    - **PROF-DSP-002:** The system shall provide a dedicated webpage ("Account display webpage") to display Entrepreneur profile details (visibility rules TBD).
  + **3.1.3 Pitch Management (Entrepreneur)**
    - **PITCH-CRT-001:** The system shall allow authenticated Entrepreneurs to create a new pitch via their dashboard ("Add a Pitch").
    - **PITCH-CRT-002:** The pitch creation form shall include fields for: Pitch Title, Website, Company Location, Mobile No., Type/Industry (Primary & Secondary), Stage (e.g., Seed, Series A), Ideal Investor Role, Previous Round Raised (Amount/Status), How much to Raise (Target Amount), How much has been raised (Current Amount - manually updated initially), Minimum Investment per Investor.
    - **PITCH-CRT-003:** The pitch creation form shall include sections/fields for: Summary (Business, Market, Proof, Objective, Future, Highlights, Deal Ask), Financial Details (upload or structured data TBD), Team Overview (Members with bio, role, socials).
    - **PITCH-CRT-004:** The system shall allow Entrepreneurs to upload supporting materials: Images, Videos, Business Plan, Financials, Pitch Deck, Executive Summary, Additional Documents. Define acceptable file types and size limits.
    - **PITCH-CRT-005:** The system shall allow Entrepreneurs to define "Packages" related to their pitch (details need clarification - investment tiers?).
    - **PITCH-MNG-001:** The system shall allow Entrepreneurs to view, edit, and potentially publish/unpublish their created pitches via their dashboard ("My Pitches").
    - **PITCH-MNG-002:** (Potential Admin Req) Pitches may require Administrator approval before becoming publicly visible to Investors.
  + **3.1.4 Browsing & Discovery (Investor & Entrepreneur)**
    - **BROWSE-INV-001:** The system shall allow authenticated Investors to browse published Pitches on their home page/dedicated section.
    - **BROWSE-INV-002:** The system shall display "Standout" pitches (criteria TBD - curated by Admin, algorithm-based?).
    - **BROWSE-INV-003:** The system shall allow Investors to potentially see profiles of "Other Investors" (privacy implications to be considered).
    - **BROWSE-INV-004:** The system shall implement filtering capabilities for pitches (Phase 2+ requirement, e.g., by Industry, Stage, Amount).
    - **BROWSE-ENT-001:** The system shall allow authenticated Entrepreneurs to browse registered Investor profiles (access rules TBD - e.g., only verified Entrepreneurs?).
    - **BROWSE-ENT-002:** The system shall allow Entrepreneurs to potentially see profiles of "Other Entrepreneurs".
    - **BROWSE-ENT-003:** The system shall provide a mechanism for Entrepreneurs to "Get Verified" (process TBD - manual admin check, document upload?).
  + **3.1.5 Dashboard Features (Investor & Entrepreneur)**
    - **DASH-INV-001:** The Investor dashboard shall display a list/summary of "My Investments" (likely pitches the investor has expressed interest in or manually marked).
    - **DASH-INV-002:** The Investor dashboard shall provide basic analytics to track returns and investments (Initial scope might be very basic - e.g., count of interested pitches, total potential amount indicated. Actual ROI tracking is complex).
    - **DASH-INV-003:** The Investor dashboard shall display "My Requests" (meaning TBD - connection requests? information requests?).
    - **DASH-ENT-001:** The Entrepreneur dashboard shall display "My Pitches" with quick access to view/edit.
    - **DASH-ENT-002:** The Entrepreneur dashboard shall provide analysis on "Funds Raised / Funds Needed" based on pitch data.
    - **DASH-ENT-003:** The Entrepreneur dashboard shall display "My Investors" (likely investors who have expressed interest in their pitches).
  + **3.1.6 Public Facing Pages**
    - **PUB-HOME-001:** The system shall display a Home page accessible to all users (logged-in or not).
    - **PUB-HOME-002:** The Home page shall include: Brief Description, About Us section, "How it Works" section (explaining both Investment and Fundraise processes), Contact Us information/form.
    - **PUB-HOME-003:** The "How it Works" section shall include buttons/links like "Invest Now" and "Fundraise Now" leading to registration/login or relevant informational pages.
    - **PUB-HOME-004:** The Home page shall display Testimonials.
    - **PUB-HOME-005:** The Home page should attempt to incorporate a door animation (potentially using Spline), contingent on performance and feasibility assessment.
    - **PUB-ABOUT-001:** The system shall provide an "About Us" page.
    - **PUB-HOW-001:** The system shall provide a "How It Works" page (can be combined with Home or separate).
    - **PUB-CONTACT-001:** The system shall provide a "Contact Us" page or section.
    - **PUB-HELP-001:** The system shall provide a "Help" or FAQ section.
  + **3.1.7 Navigation**
    - **NAV-001:** The system shall provide a consistent Navigation Bar.
    - **NAV-002:** For public visitors, the Navigation Bar shall include: Logo, Home, Help, Login, Signup.
    - **NAV-003:** For authenticated users (Investors/Entrepreneurs), the Navigation Bar shall include: Logo, Home (Dashboard link), Invest (Investor - Browse Pitches), Fundraise (Entrepreneur - Manage Pitches), Help, User Profile/Account menu (including Logout). *Exact items may vary based on role.*
  + **3.1.8 Administration (Implicit Requirement)**
    - **ADMIN-001:** The system shall provide an administration interface accessible only to designated Admin users.
    - **ADMIN-002:** Admins shall be able to manage users (view, activate, deactivate, assign roles).
    - **ADMIN-003:** Admins shall be able to manage content (e.g., approve/reject pitches, manage testimonials, potentially edit static page content).
    - **ADMIN-004:** Admins shall manage the entrepreneur verification process.
    - **ADMIN-005:** Admins shall potentially curate "Standout" pitches.
* **3.2 User Interface (UI) / User Experience (UX) Requirements**
  + **3.2.1 Creative Design Principles:**
    - **Professional & Trustworthy:** The design should instill confidence, reflecting the financial nature of the platform. Use clear typography, a professional color palette, and high-quality imagery.
    - **Clean & Simple:** Avoid clutter. Information should be presented clearly and concisely. Navigation should be intuitive.
    - **Intuitive Workflow:** User journeys for key tasks (registration, profile completion, pitch creation, browsing) should be logical and easy to follow.
    - **Informative Feedback:** The system should provide clear feedback to users for actions (e.g., successful save, error messages).
    - **Consistency:** Maintain consistent layout, terminology, and interaction patterns across the platform.
    - **Visual Hierarchy:** Use size, color, and placement to guide the user's attention to important elements.
  + **3.2.2 General UI Requirements:**
    - **UI-GEN-001:** The application shall be responsive and adapt gracefully to various screen sizes (desktop, tablet, mobile).
    - **UI-GEN-002:** The application should adhere to basic web accessibility standards (e.g., WCAG 2.1 Level A/AA where feasible).
    - **UI-GEN-003:** Loading indicators should be used for potentially long-running operations.
  + **3.2.3 Specific UI Elements:**
    - **UI-SPEC-001:** The Home page should explore the feasibility of incorporating a "door animation," potentially using Spline, ensuring it does not negatively impact load time or user experience.
* **3.3 Non-Functional Requirements:**
  + **3.3.1 Performance:**
    - **PERF-001:** Key page load times (Home, Dashboard, Pitch lists) should ideally be under 3 seconds on a standard broadband connection.
    - **PERF-002:** Server response times for critical API calls should be under 500ms under expected load.
  + **3.3.2 Scalability:**
    - **SCAL-001:** The architecture should be designed to handle a growing number of users, pitches, and data without significant performance degradation. Target initial capacity: [e.g., 1,000 concurrent users, 10,000 registered users, 5,000 pitches].
    - **SCAL-002:** The system should allow for horizontal scaling (adding more servers) where possible.
  + **3.3.3 Security:**
    - **SEC-001:** All communication between the client and server must use HTTPS.
    - **SEC-002:** Implement protection against common web vulnerabilities (OWASP Top 10), including XSS, SQL Injection, CSRF.
    - **SEC-003:** User passwords must be securely hashed and salted.
    - **SEC-004:** Sensitive data (e.g., personal identification, potentially financial summaries) must be appropriately protected at rest and in transit.
    - **SEC-005:** Implement role-based access control rigorously.
  + **3.3.4 Reliability:**
    - **REL-001:** The platform should aim for high availability (e.g., 99.5% uptime excluding scheduled maintenance).
    - **REL-002:** Regular data backups must be implemented with a defined recovery plan (RPO/RTO).
  + **3.3.5 Usability:**
    - **USE-001:** The platform should be intuitive and easy to learn for target users (Investors, Entrepreneurs).
    - **USE-002:** Error messages should be clear and helpful.
    - **USE-003:** Key workflows should require minimal steps.
  + **3.3.6 Maintainability:**
    - **MAINT-001:** Code should be well-documented, modular, and follow consistent coding standards.
    - **MAINT-002:** The chosen technology stack should facilitate ease of updates and modifications.
    - **MAINT-003:** Automated tests (unit, integration) should be implemented to ensure code quality and prevent regressions.

**4. Minimum Viable Product (MVP) Definition**

The MVP focuses on validating the core value proposition: enabling Entrepreneurs to list pitches and Investors to find and view them.

* **Included Features (MVP):**
  + Basic User Registration (Email, Password, Name) & Login.
  + Simple Role Selection (Investor/Entrepreneur) during signup or first login.
  + Minimal Profile Completion (Essential fields only: Name, Contact Email, maybe City/Bio).
  + Pitch Creation (Core fields: Title, Summary, Amount Seeking, Industry, Stage). Ability to upload ONE main image and ONE document (e.g., Pitch Deck PDF).
  + Simple Pitch Listing Page for Investors (No advanced filtering/sorting).
  + Basic Pitch Detail View Page.
  + Basic Dashboards (linking to profile edit and pitch list/creation).
  + Essential Static Pages (Home with basic description, T&C, Privacy Policy).
  + Basic Navigation.
  + Admin panel for basic user viewing and *manual* pitch approval/publishing.
* **Excluded Features (MVP):**
  + Advanced Profile Fields (Banner images, multiple socials, detailed account info).
  + Forgot Password functionality (can be added shortly after).
  + Detailed Pitch Fields (Team, detailed financials, packages, multiple uploads).
  + Advanced Pitch/Investor Filtering & Searching.
  + Analytics on dashboards.
  + Investor/Entrepreneur Browsing features.
  + Verification System.
  + "My Investments", "My Requests", "My Investors" tracking beyond basic lists.
  + Home Page Animation (Spline).
  + Testimonials section (can use placeholders).
  + Contact Us form (can provide an email address).
  + Help/FAQ section.

**5. Phased Development Approach**

* **5.1 Phase 1: MVP Launch:** Develop and launch the features defined in Section 4. Goal: Validate core concept, gather initial user feedback.
* **5.2 Phase 2: Core Feature Enhancement:** Based on MVP feedback, implement:
  + Full Profile Completion features.
  + Complete Pitch Creation form (all fields).
  + Advanced Filtering and Sorting for Pitches.
  + Investor Browsing for Entrepreneurs (with basic filtering).
  + Entrepreneur Verification workflow (initial version).
  + Forgot Password functionality.
  + Home Page enhancements (Testimonials, Contact Form, potentially Spline animation).
  + Basic Dashboard analytics.
  + Help/FAQ section.
* **5.3 Phase 3: Value-Add Features & Analytics:**
  + Refine Dashboards with more meaningful analytics.
  + Implement "My Investments", "My Investors", "My Requests" features more robustly (e.g., status tracking, communication prompts).
  + Entrepreneur Browsing for Investors (if desired/allowed).
  + Introduce notification system (e.g., new pitch matching criteria, interest shown).
  + Refine Admin panel (better moderation tools, user management).
* **5.4 Future Phases:** Implement features from Future Scope (Section 7) like subscriptions, marketing services, crowdfunding mechanics.

**6. Technology Stack & Frameworks (Best Practices)**

* **Frontend:** Consider frameworks like **React, Angular, or Vue.js** for building a modular and maintainable UI. Use a UI component library like **Material UI, Ant Design**, or a CSS framework like **Tailwind CSS or Bootstrap** for consistency and responsiveness.
* **Backend:** Choose a robust framework based on team expertise and scalability needs. Options include:
  + **Node.js** (with Express/NestJS) - Good for real-time features, JavaScript ecosystem.
  + **Python** (with Django/Flask) - Strong ecosystem, good for data handling.
  + **Ruby** (with Rails) - Rapid development focus.
  + **Java** (with Spring Boot) - Enterprise-grade, robust.
  + **PHP** (with Laravel/Symfony) - Widely used, mature ecosystem.
* **Database:**
  + **PostgreSQL** or **MySQL** (Relational) - Good for structured data, relationships between users, pitches, investments. Recommended.
  + Consider **MongoDB** (NoSQL) if schema flexibility is paramount, but relationships can be harder to manage.
* **Cloud Hosting:** **AWS, Google Cloud Platform (GCP), or Azure** offer scalable hosting, managed databases, file storage (S3/Cloud Storage/Blob Storage), and other necessary services.
* **Best Practices:**
  + **Version Control:** Git (with platforms like GitHub, GitLab, Bitbucket).
  + **CI/CD:** Implement Continuous Integration / Continuous Deployment pipelines for automated testing and deployment.
  + **Testing:** Comprehensive testing strategy (Unit Tests, Integration Tests, End-to-End Tests).
  + **Code Reviews:** Mandatory peer review process.
  + **Security:** Follow OWASP guidelines, conduct regular security audits/scans.
  + **Documentation:** Maintain up-to-date code documentation and API documentation (if applicable).
  + **Agile Methodology:** Use Scrum or Kanban for project management.
  + **Monitoring & Logging:** Implement robust logging and application performance monitoring.

**7. Future Scope**

Based on the initial requirements, future enhancements could include:

* **Subscription Models:** Offer premium features for Investors and/or Entrepreneurs based on subscription tiers.
* **Ad Generation:** Allow featured placements for pitches or profiles (revenue stream).
* **Marketing Services:** Offer additional paid services to Entrepreneurs to promote their pitches.
* **Crowdfunding Integration:** Expand the platform to support actual crowdfunding campaigns (requires significant legal, financial, and technical additions for handling transactions, escrow, compliance).
* **Direct Messaging:** Implement in-app communication channels between Investors and Entrepreneurs.
* **Enhanced Matching Algorithms:** Develop sophisticated algorithms to suggest relevant pitches to investors and vice-versa.
* **API Integrations:** Integrate with third-party services (e.g., CRM, financial data providers, background check services).
* **Deal Flow Management Tools:** More advanced tools for investors to track potential investments through various stages.

**End of Document**