Software Requirement Specification (SRS)

Project Name: **VentureVest**

(A Startup-Investor Platform)

Course Title: Software Engineering Laboratory

Course Code: CSE 3422/CSI 322

Section: D

Submitted To

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1. Introduction

1.1 Purpose

The purpose of VentureVest is to provide a platform for startups to raise funds from investors. It is a centralized platform where startups can showcase their products and investors can invest in them.

1.2 Scope

The scope of VentureVest is to provide a comprehensive platform for startups and investors to interact and invest in each other's ventures. The platform will allow startups to raise funds and provide investors with a portfolio of investment opportunities.

1.3 Definitions, Acronyms, and Abbreviations

ROI - Return on Investment
FAQ - Frequently Asked Questions
MRR- Monthly Recurring Revenue
CAC- Customer Acquisition Cost
DB- Database
ER- Entity Relationship
DFD- Data Flow Diagram

2. Overall Description

2.1 Product Perspective

VentureVest is a web-based platform that will allow startups to showcase their products and raise funds from investors. The platform will provide a centralized location for startups and investors to interact and invest in each other's ventures.

2.2 Product Functions

The platform will have the following functions:
a. Startup registration and profile creation
b. Product listing and details uploading
c. Investor registration and profile creation
d. Investment options viewing and selection
e. Monthly updates and revenue graphs
f. Common platform for posts and comments
g. Blog post creation and sharing
h. Live chat for investor-startup communication

2.3 User Characteristics
a. Startups: Users who are seeking to raise funds for their ventures.
b. Investors: Users who are seeking to invest in startup ventures.
c. Bloggers: Users who are seeking to post blogs related to business.

2.4 Assumptions and Dependencies
a. The platform assumes that startups and investors will act in good faith while using the platform.
b. The platform depends on the accuracy of information provided by startups and investors.

3. System Features

3.1 Startup Registration and Profile Creation
The platform will allow startups to register and create a profile by providing basic information such as company name, company details, product description, minimum investment, duration of fundraising, repayment, gross margin, burn rate, MRR, CAC, and ROI.

3.2 Product Listing and Details Uploading
Startups will be able to upload their product details such as pictures, minimum investment, duration of fundraising, repayment, gross margin, burn rate, MRR, ROI, revenue, CAC, etc. Startups will also be able to update their product details as needed.

3.3 Investor Registration and Profile Creation
The platform will allow investors to register and create a profile by providing basic information such as name, email, and investment preferences.

3.4 Investment Options Viewing and Selection
Investors will be able to view product listings and select investment options based on their investment preferences.

3.5 Monthly Updates and Revenue Graphs
Startups must provide monthly updates on their products' performance, revenue, and other relevant information. Investors will be able to view revenue graphs and other data to track the progress of their investments.

3.6 Common Platform for Posts and Comments
The platform will provide a common platform for startups, investors, and bloggers to post and comment on topics related to business.
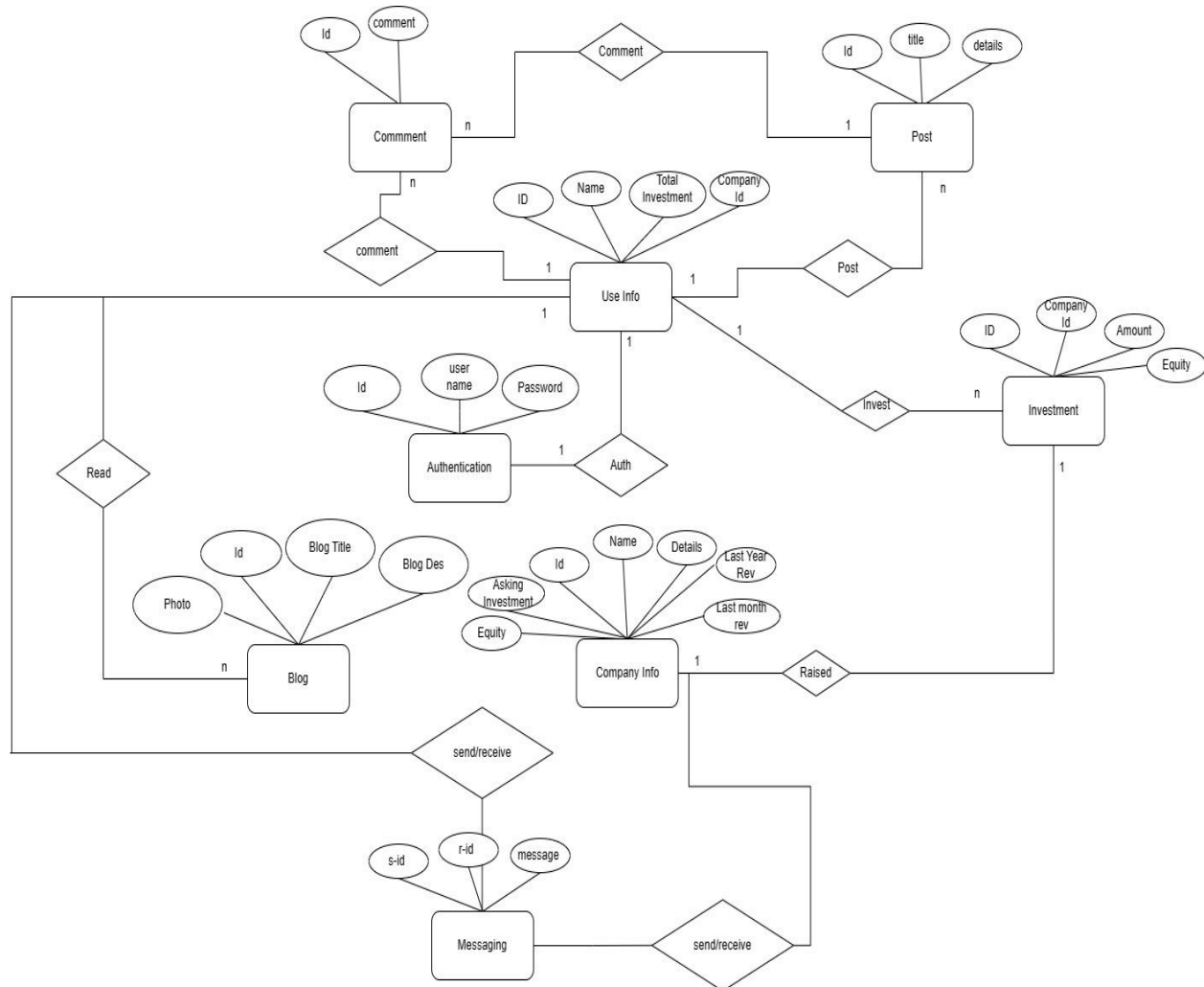
3.7 Blog Post Creation and Sharing

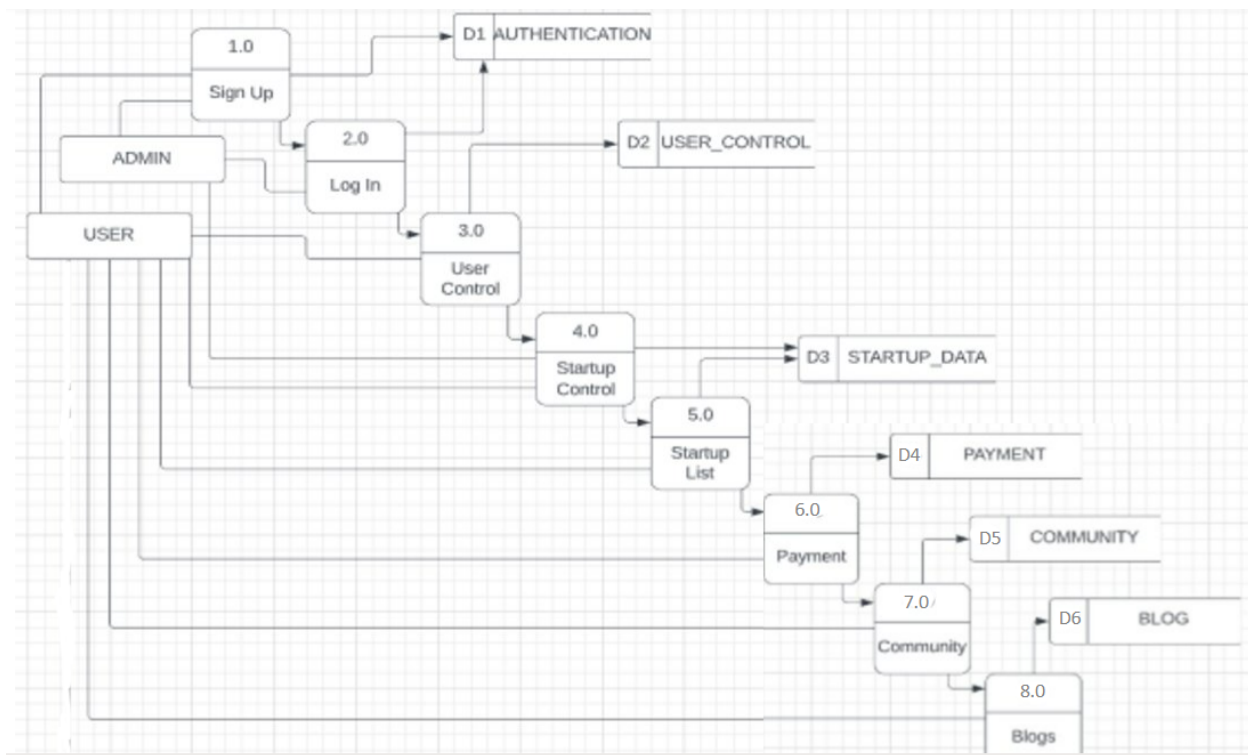Bloggers will be able to create and share blog posts related to business on the platform.

3.8 Live Chat for Investor-Startup Communication

The platform will provide a live chat feature for investors and startups to communicate in real time about investment opportunities.

3.9 ER diagram

3.10 Data Flow Diagram (DFD)

4. Non-Functional Requirements

4.1 Performance
The platform should be able to handle a large number of users and data without compromising performance. It should also provide fast response times and minimal downtime.

4.2 Usability
The platform should be user-friendly and easy to navigate. It should provide clear instructions and error messages to guide users.

4.3 Security
The platform should have adequate security measures in place to protect user information and prevent unauthorized access. It should use encryption, secure authentication, and backup mechanisms to ensure data security.

4.4 Reliability
The platform should be reliable and provide consistent results. It should have a backup system to prevent data loss in case of system failure.

4.5 Compatibility

The platform should be compatible with different web browsers and operating systems to ensure that it can be accessed by a wide range of users.

4.6 Scalability

The platform should be designed to handle an increasing number of users and data as the user base grows. It should be scalable and flexible to accommodate future changes and upgrades.

4.7 Accessibility

The platform should be accessible to users with disabilities, such as those who are visually impaired or have limited mobility. It should comply with accessibility standards and provide assistive technology options.

5. Constraints

5.1 Technology Constraints

The platform will be developed using modern web development technologies such as:

Frontend	HTML5, CSS3, Bootstrap
Backend	Python and Django.
Database	SQLite.
Tools	VS Code, Jira, Git, GitHub, DB Browser.

5.2 Budget Constraints

The project will be developed within a specified budget and timeline. Any additional features or changes to the project scope may require additional resources and funding.

5.3 Legal Constraints

The platform will comply with all applicable laws and regulations related to startup investing and online business. It will require legal documentation such as privacy policies, terms and conditions, and disclaimers.

6. Assumptions

6.1 The users of the platform will have basic knowledge of web browsing and investing.

6.2 The platform will be hosted on a reliable and secure web hosting service.

6.3 The development team will have access to the necessary resources, including hardware, software, and development tools, to complete the project.

6.4 The platform will comply with all relevant data protection and privacy laws.

6.5 The platform will be marketed through social media and online advertising to reach potential users.

6.6 The platform will be available globally, but the investment options will be limited to certain countries due to legal and regulatory restrictions.

7. Dependencies

7.1 The platform will depend on third-party services such as payment gateways, email services, and social media APIs.

7.2 The platform will require regular updates and maintenance to ensure optimal performance and security.

7.3 The platform will need to comply with the standards and guidelines set by web browsers and operating systems to ensure compatibility and accessibility.

7.4 The platform will require ongoing support and customer service to address user inquiries and issues.

7.5 The platform's success will depend on the user adoption rate and the effectiveness of its marketing and advertising strategies.

8. Conclusion

In conclusion, the VentureVest platform provides a user-friendly and secure way for startups and investors to connect with each other. With features such as startup listing, investor investment, monthly updates, common post and comment platform, blog post, and live chat, the platform offers a comprehensive solution for fundraising and investor engagement. The platform's non-functional requirements ensure that it is fast, responsive, and compatible with different devices and browsers. With VentureVest, startups can showcase their products to potential investors, and investors can find exciting investment opportunities.