

Requirement Analysis Document

ThunderVest

Requirement Analysis Document

This document contains requirement analysis of the Thundervest platform. This document is the main source of the project scope and requirements which need to be always tracked and thoroughly followed while developing the project. All the requirements must be analysed always before creating a new feature or opening a new issue to keep the project scope on track.

Functional Requirements

These are all the functional requirements, for the thundervest platform. New issues should be opened around below functional requirements, or the requirements should be broken down to create single issues which can be tracked into sprints.

Below are high-level requirements and features which can be changed with time according to business requirements.

1. There will be a separate view of the frontend applications for both Investors and Businesses. Investors will be able to log in as investors, and a business will be logging in as a business entity. Both will have separate roles and separate UI views.
2. Startups will be able to view the investors on the platform and can pitch in to investors if they want to reach out to anyone directly. It will be decided by the investor whether he is open to reaching out or not.
3. Investors will be able to view the businesses on the platform and can reach to business if they want to have some query or invest in the business or need more information.
4. Businesses will be able to set up how much equity is up for sale, they can set the price band and number of equity shares up for sale. Businesses will be able to manage the inventory up for sale.

5. All the transactions on the platform will be regulated by thundervest, which will act as an escrow between business and investors, eliminating any frauds and scams on the platform.
6. There will be market place filters available for investors to invest in companies which fall into their criteria, like sector, technology, market capitalization, profitability, etc.
7. Investors and Businesses can also send in-app mails to each other and have conversations around. This will be a separate notification functionality for the app to send a notification on any action/order status change.
8. There should be an admin application for handling and managing all the users, investors and businesses and their query and claims resolution via the admin system.

Non-Functional Requirements

These are all the non-functional requirements, for the thundervest platform. These requirements will not be part of any separate features but should always be followed while designing and development of the product.

1. Application should be built on microservices architecture and should be highly horizontally scalable and fast to handle high loads of transactions on the platform.
2. Application should be highly available and robust to all types of traffic loads situations.
3. As the application deals with financial data, there should be an excellent and robust security, authentication and authorization mechanism in place, with multi-factor authentication options.
4. Application should be having a CI-CD pipeline developed, which will help in automating most of the process of continuous integrations and deployments to servers.
5. For better performance, the application should be packaged as docker containers and should be deployed on container orchestration platforms like kubernetes for management.
6. There should be excellent monitoring and observability systems for the whole applications to maintain and support the application at scale.