

KEY PARTNERS	KEY ACTIVITIES	KEY RESOURCE	VALUE PROPOSITIONS	CHANNELS	CUSTOMER SEGMENTS
Advertising Companies Companies that want to advertise their resources, representing a source of income and attracting users interested in their offerings.	User Identity Verification Implementation of secure identity verification using official documents based on the user's country, ensuring full compliance with data privacy regulations.	Human Talent Skilled developers and DevOps professionals proficient in modern technologies, responsible for continuous development, deployment, and maintenance of the platform.	We offer a personalized social media platform that connects users with shared interests through intelligent recommendations, AI-enhanced content creation, and secure identity verification. Our propose fosters meaningful interactions between users and companies and continuously improves the experience using data analytics and business intelligence.	Core Platform The Mobile and web applications serve as the main interface for users to interact with the platform. Through these channels, users can publish content, engage with others.	General Audience Our platform is designed for a broad audience, targeting anyone over the age of 15 who seeks to connect with others through shared interests, trends, and personalized content.
Other Social Media Platforms Interconnectivity with other platforms helps us attract new users and increase reach.	AI-Assisted Content Creation Integration of artificial intelligence to assist users in improving the quality, relevance, and engagement of their posts.	Cloud Infrastructure Scalable and reliable cloud services supporting multi-location access, fast queries, and high availability.	Direct relationships with users to foster trust and long-term engagement. Immediate and effective response to account-related issues to ensure a safe and smooth user experience. 24/7 support availability through chat and email for quick resolution of concerns. Feedback and interaction channels that allow users to report issues, suggest improvements, and feel heard.	Distribution and Growth We rely on global distribution alliances with key partners to expand our reach efficiently. In addition, integration with other social media platforms allows users to share content and attract new audiences organically.	Users They are the primary customers who engage daily with the platform, posting content, following others, and consuming media. Their needs revolve around usability, content relevance, privacy, and connection.
Data Analysis Companies Partners with whom we exchange information to improve recommendations and provide valuable insights for their analysis.	Interest-Based Interaction Channels Development of official interest spaces where users and companies can engage around shared topics and opportunities.	Data Storage and Processing Systems Data centers and warehouses that ensure efficient handling of big data, supporting ingestion and retrieval at scale.		Support and Communication To ensure a responsive and user-centric experience, we offer immediate support through online communication channels such as in-app chat and email. We also provide topic-based channels where users and companies can interact around shared interests.	Companies Businesses and service providers use the platform to advertise, engage with targeted audiences, and participate in interest-based channels. They seek visibility, analytics, and effective communication with users.
Cloud Infrastructure Providers Enable scalable, high-availability hosting and distributed data storage.	Interest-Based Interaction Channels Development of official interest spaces where users and companies can engage around shared topics and opportunities.	Business Intelligence & Analytics Tools Systems and expertise for analyzing user behavior and market trends to refine recommendations and target content.			Personages These are socially influential users, public figures, thought leaders, or content creator, who use the platform to amplify their reach and shape public opinion. Their needs include audience analytics, content promotion, and identity verification.
Moderation and NLP API Providers External services that help detect hate speech, spam, and inappropriate content	Data Ingestion & Analytics Constant ingestion of user interactions for real-time analytics and improved recommendations.	AI and Machine Learning Models Models trained to enhance post quality, detect user interests, and power the recommendation system.			Members Paying users who subscribe to premium features such as enhanced visibility, analytics, post boosts, or exclusive content. They expect added value and personalization for their investment.
	Recommendation Engine Management Continuous refinement of algorithms that personalize user feeds based on behavior and preferences.	Security Frameworks Resources and technologies to guarantee secure user authentication, identity verification, and privacy compliance.			
COST STRUCTURE			REVENUE STREAMS		
Data analysis and storage Major investments go toward processing and storing vast amounts of user data to deliver personalized experiences and accurate recommendations			Membership subscriptions Users pay for access to premium features such as exclusive content, performance analytics, and improved visibility on the platform.		
Technology and network infrastructure Costs include cloud services, high-speed connectivity, and computing power to ensure scalability, fast response times, and user interaction.			Advertising Companies and public figures invest in ad placements to reach specific audiences, increasing brand exposure and engagement.		
Server maintenance Ongoing expenses involve maintaining server uptime, applying security patches, system monitoring, and ensuring platform availability 24/7.			Data insights services Businesses pay for anonymized, aggregated analytics that help them understand trends and improve their strategies, respecting privacy standards.		

UH - 1				
Database schema for development	PRIORITY	High	ESTIMATE	8
User Story:				
As a developer I want to have a database schema so that I can develop the program's logic.				
Acceptance Criteria:				
There must be an entity-relationship diagram (ERD) that defines the tables and their relationships. The schema must include primary keys, foreign keys, and indexes as needed. Referential integrity rules must be in place to prevent inconsistencies.				
UH - 2				
Microservices-based architecture	PRIORITY	High	ESTIMATE	8
User Story:				
As a software architect I want the application to be composed of independent microservices (authentication, posts, messaging, etc.) to improve system scalability and maintainability.				
Acceptance Criteria:				
Microservices must communicate with each other via REST APIs. An API Gateway must be defined to manage requests and centralized authentication. Each microservice must have its own repository or a modular structure within a monorepo.				
UH - 3				
Cloud storage for images and videos	PRIORITY	High	ESTIMATE	8
User Story:				
As a developer I want to integrate a cloud storage service (such as AWS S3 or Google Cloud Storage) to store images and videos without affecting database performance.				
Acceptance Criteria:				
A cloud storage provider (AWS S3, Google Cloud Storage, or Azure Blob Storage) must be used. Files must be uploaded with a proper permission system to prevent unauthorized access. File URLs must be stored in the database instead of the files themselves.				
UH - 4				
Deployment with Docker and Kubernetes	PRIORITY	High	ESTIMATE	8
User Story:				
As a DevOps engineer I want the application to be deployed in Docker containers and orchestrated with Kubernetes to facilitate infrastructure management and scalability.				
Acceptance Criteria:				
All microservices must have an optimized Dockerfile for image generation. The application must be deployable in a Kubernetes cluster using YAML manifests or Helm.				

UH - 5				
Repository Creation and CI/CD Configuration	PRIORITY	High	ESTIMATE	8
User Story:				
As a DevOps engineer I want to create a repository in GitHub/GitLab/Bitbucket with an organized structure and configure a CI/CD pipeline to automate versioning, testing, and deployments across different environments				
Acceptance Criteria:				
The repository must have an organized structure with folders for backend, frontend, documentation, and infrastructure scripts. A branching strategy based on Git Flow or Trunk-Based Development must be defined.				
UH - 6				
Indexing and Query Optimization	PRIORITY	High	ESTIMATE	8
User Story:				
As a database engineer I want to implement indexes and partitions on critical tables to improve performance in high-volume queries				
Acceptance Criteria:				
Critical tables that require optimization (users, posts, messages, etc.) must be identified. Indexes must be added to columns used in filters and JOINS to improve query speed. The use of composite indexes or full-text indexes must be analyzed as needed.				
UH - 7				
User Registration	PRIORITY	High	ESTIMATE	8
User Story:				
As a user I want to register on the platform by providing my basic information so that I can access all the features of the social network.				
Acceptance Criteria:				
Given a visitor wants to create an account on the platform When they submit the registration form with their name, email, password, and date of birth Then the system must validate that: <ul style="list-style-type: none"> • The email has a valid format and is unique • The password meets security requirements (minimum 8 characters, including uppercase letters, numbers, and special characters) • All required fields are completed • And if all validations pass, • Then the system should successfully create the user account and grant access to the platform's features 				
UH - 8				
User Login	PRIORITY	High	ESTIMATE	5
User Story:				
As a user I want to log in using my email and password or a third-party account so that I can securely access the social network.				

Acceptance Criteria:				
<u>Successful Login</u>				
Given a registered user has valid credentials or a linked third-party account				
When they attempt to log in with their email and password or via the third-party provider				
Then the system must authenticate the user and				
And generate a JWT token with an expiration time				
<u>Invalid Credentials</u>				
Given a user enters an incorrect email or password				
When they attempt to log in				
Then the system must display a generic error message				
And must not indicate whether the email exists or not				
<u>Account Lockout After Multiple Failed Attempts</u>				
Given a user repeatedly submits incorrect login credentials				
When the number of failed attempts exceeds the defined threshold				
Then the account must be temporarily locked to prevent further access attempts				
UH - 9				
Secure Authentication Implementation	PRIORITY	High	ESTIMATE	8
User Story:				
As a developer				
I want users to log in using JWT and OAuth 2.0				
to ensure secure authentication and third-party compatibility				
Acceptance Criteria:				
<u>JWT Authentication</u>				
Given a user successfully logs in using their credentials or a third-party provider via OAuth 2.0				
When the authentication process completes				
Then the system must generate a JWT (JSON Web Token)				
And the JWT must include a digital signature and an expiration time to ensure authenticity and prevent impersonation				
<u>OAuth Compatibility</u>				
When OAuth 2.0 authentication succeeds				
When they attempt to log in				
Then the system must issue a JWT in the same manner as with standard logins				
And ensure the token adheres to security policies (signature and expiration included)				
UH - 10				
Profile Editing	PRIORITY	Medium	ESTIMATE	5
User Story:				
As a user				
I want to be able to edit my profile (name, profile picture, biography, etc.)				
to personalize my account on the social network.				
Acceptance Criteria:				
<u>General Profile Update</u>				
Given a logged-in user accesses their profile settings				
When they update their name, biography, profile picture, or cover photo				
Then the system must save the changes immediately				
And notify the user that the profile was successfully updated				

<u>Biography Character Limit</u>				
Given a user enters a biography that exceeds the allowed character limit				
When they attempt to save it				
Then the system must prevent the update				
And display an error message indicating the character limit				
<u>Sensitive Data History</u>				
Given a user updates sensitive profile data such as their email or username				
When the change is saved				
Then the system must store a history of the change for audit or recovery purposes				
UH - 11				
Posting	PRIORITY	High	ESTIMATE	8
User Story:				
As a user				
I want to be able to write and post up to 500 characters				
to share ideas, thoughts, and updates with my followers.				
Acceptance Criteria:				
<u>Creating a Post</u>				
Given a user is authenticated on the platform				
When the user accesses the post field and writes a message of up to 500 characters				
Then the system should allow the text input				
And enable the publish button				
<u>Character Limit</u>				
Given a user tries to write more than 500 characters in the text field				
When they continue typing				
Then the system should prevent additional characters from being entered				
Or display an error message indicating the maximum character limit has been exceeded				
<u>Successful Publishing</u>				
Given a user writes a valid message within the character limit				
When they click the publish button				
Then the message should be saved in the system				
And it should appear on the user's profile				
And be visible in their followers' timeline				
UH - 12				
Add MultiMedia to Post	PRIORITY	Medium	ESTIMATE	8
User Story:				
As a User				
I want to create posts with text and media				
so that I can share updates with my followers.				
Acceptance Criteria:				
Given I am logged into my account				
When I write a message and optionally attach media				
Then the post should be published to my profile and appear in my followers' feeds.				
UH - 13				
Follow Other Users	PRIORITY	High	ESTIMATE	5
User Story:				

<p>As a user</p> <p>I want to be able to follow other users</p> <p>to see their posts in my timeline and stay up-to-date with their activity.</p>				
Acceptance Criteria:				
<u>Following a User</u>				
<p>Given the user has found another user in the search results</p> <p>When they click the "Follow" button</p> <p>Then the selected user should be added to the "Following" list</p> <p>And the number of "Following" should increase on the user's profile</p>				
<u>Viewing Posts from Followed Users</u>				
<p>Given the user follows at least one other user</p> <p>When a followed user publishes a post</p> <p>Then that post should appear in the follower's timeline</p>				
<u>Displaying Followers and Following Count</u>				
<p>Given a user profile is opened</p> <p>When it is viewed by any user</p> <p>Then the number of followers and following should be visible on the profile</p>				
UH - 14				
Unfollow Users	PRIORITY	Medium	ESTIMATE	5
User Story:				
As a User				
<p>I want to follow and unfollow other users</p> <p>so that I can personalize my content feed</p>				
Acceptance Criteria:				
<p>Given I am viewing another user's profile</p> <p>When I click the "Follow" or "Unfollow" button</p> <p>Then my feed should update accordingly, and the action should be recorded.</p>				
UH - 15				
Interact with Posts	PRIORITY	Medium	ESTIMATE	5
User Story:				
<p>As a user</p> <p>I want to be able to interact with posts and have the ability</p> <p>to easily find them later.</p>				
Acceptance Criteria:				
<u>Interacting with a Post</u>				
<p>Given the user is logged into the platform</p> <p>When they press the interaction button (e.g., like, favorite) on a post</p> <p>Then the interaction count on the post should increase by one</p> <p>And the visual state of the interaction button should change to reflect the interaction (e.g., highlighted icon)</p>				
<u>Viewing Interacted Posts</u>				
<p>Given the user has interacted with one or more posts</p> <p>When they navigate to the section for "Interacted Posts" or "Favorites"</p> <p>Then the system should display a list of all posts the user has interacted with</p>				
UH - 16				

Comment on Posts	PRIORITY	High	ESTIMATE	8
User Story:				
As a User I want to comment on posts so that I can engage in conversations.				
Acceptance Criteria:				
Given I am viewing a post When I type a comment and click "Send" Then the comment should appear below the post and notify the original author.				
UH - 17				
Share Post	PRIORITY	Low	ESTIMATE	3
User Story:				
As a user I want to be able to interact with posts and have the ability to easily find them later.				
Acceptance Criteria:				
<u>Sharing a Post</u> Given a user is logged in and viewing a post from another user When they click the "Share" button Then the post should be re-published to the sharing user's profile timeline And be visible to their followers based on the sharer's privacy settings				
UH - 18				
Edit a Post	PRIORITY	Medium	ESTIMATE	5
User Story:				
As a user I want to be able to edit a post after publishing it to correct errors or add additional information.				
Acceptance Criteria:				
<u>Editing a Post</u> Given a user is logged in and viewing one of their own posts When the user selects the option to edit the post Then the system should allow the content to be modified in an editable text field And the user should be able to save the changes				
<u>Edited Indicator</u> Given a post has been modified after it was originally published When it is displayed on the platform Then the post should include an "edited" label or indicator				
UH - 19				
Configure Post Privacy	PRIORITY	Medium	ESTIMATE	8
User Story:				
As a user I want to be able to choose whether my posts are public, only for my followers, or private to have control over who can see them.				
Acceptance Criteria:				

Setting Privacy When Posting

Given a user is composing a new post

When they select a privacy option (Public, Followers only, or Private)

Then the system should save the selected privacy level along with the post

And only users with the appropriate access should be able to view the post

Enforcing Privacy Settings

Given a post has been published with a specific privacy setting

When another user tries to view the post

Then the system must check the privacy rules

And only allow access if the user is authorized (e.g., a follower for "Followers only", or the post owner for "Private")

UH - 20

Reported Post	PRIORITY	Medium	ESTIMATE	5
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User Story:

As an admin

I want to review reported content

so that I can moderate and maintain community standards

Acceptance Criteria:

Given I am in the moderation dashboard

When I select a reported post

Then I should see the report details and available actions (e.g., delete, ignore, ban user)

UH - 21

Reported Users	PRIORITY	Medium	ESTIMATE	5
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User Story:

As an admin

I want to suspend users who violate the rules

so that the platform remains safe and respectful

Acceptance Criteria:

Given I have reviewed a user's violation history

When I choose to suspend the account

Then the user should lose access and receive a notification about the suspension

UH - 22

Verification Process	PRIORITY	High	ESTIMATE	8
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User Story:

As an admin

I want to manage verification requests

so that we can ensure credibility for public accounts.

Acceptance Criteria:

Given I am on the list of pending verification requests

When I approve or reject a request

Then the decision should be saved and reflected on the user's profile

UH - 23

Boost Post	PRIORITY	High	ESTIMATE	5
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User Story:				
As a member I want to boost my posts so that they reach a larger audience.				
Acceptance Criteria:				
Given I have an active premium subscription When I choose to boost a post Then the post should be prioritized in timelines and marked as promoted				
UH - 24				
Advanced Analytics to Members	PRIORITY	Low	ESTIMATE	5
User Story:				
As a member I want to access advanced analytics so that I can evaluate the impact of my content				
Acceptance Criteria:				
Given I am a premium user When I access the analytics section from my profile Then I should see statistics like impressions, engagement rate, and audience demographics				

FR-001	User Registration
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Database • Authentication service
Description:	The system must allow a new user to register using an email or an external authentication provider (OAuth).
Specific data:	<ul style="list-style-type: none"> • Username • Email address • Password or external auth token
Priority:	High
Status:	In development
Comments:	The system must validate that the email is not already in use.
FR-002	Create Post
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Database • Media service • AI suggestion engine
Description:	The system must allow users to create and publish messages with text, images, or videos, using AI suggestions to enhance post quality.
Specific data:	<ul style="list-style-type: none"> • Post content (text) • Media files (optional) • Timestamp of publication
Priority:	High
Status:	In development
Comments:	Content filtering and quality checks should be applied before publishing.
FR-003	Follow/Unfollow Users
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Database • Notification service
Description:	The system must allow users to follow or unfollow other users, modifying their personalized feed accordingly.
Specific data:	<ul style="list-style-type: none"> • Follower user ID • Followed user ID • Timestamp of the action
Priority:	High

Status:	In development
Comments:	A notification should be sent if the followed user has this setting enabled.
FR-004	Like and Repost Content
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Database • Notification system
Description:	The system must allow users to like or repost content created by others.
Specific data:	<ul style="list-style-type: none"> • User ID • Post ID • Type of interaction (like or repost) • Timestamp
Priority:	High
Status:	In development
Comments:	Notifications should be generated for the content creator.
FR-005	Comment on Posts
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Database • Moderation system
Description:	The system must allow users to write and publish comments on existing posts.
Specific data:	<ul style="list-style-type: none"> • Comment text • Post ID • Commenting user ID • Timestamp
Priority:	High
Status:	In development
Comments:	Comments must pass a content validation process before being displayed.
FR-006	Report Content
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Database • Moderation engine
Description:	The system must allow users to report posts they consider inappropriate, offensive, or harmful.
Specific data:	<ul style="list-style-type: none"> • Report reason

	<ul style="list-style-type: none">• Post ID• Reporting user ID• Timestamp
Priority:	High
Status:	In development
Comments:	Reports should trigger a review process by moderators.

NFR-001	Performance for Search
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Database • Caching engine
Description:	The system must ensure that search queries and timeline loading are executed in under 100 milliseconds.
Specific data:	<ul style="list-style-type: none"> • Search engine response time • Timeline fetch latency
Priority:	High
Status:	Planned
Comments:	Response time must be validated under peak load conditions.
NFR-002	Scalability
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Cloud infrastructure • Load balancer
Description:	The system must support elastic scaling to handle traffic surges during peak activity periods.
Specific data:	<ul style="list-style-type: none"> • Auto-scaling policies • Concurrent user support
Priority:	High
Status:	Planned
Comments:	Stress testing should be performed before deployment.
NFR-003	High Availability
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Infrastructure as Code • Group of geographically distributed servers
Description:	The system must guarantee 99.9% uptime with regional redundancy to minimize service disruption.
Specific data:	<ul style="list-style-type: none"> • Regional server replicas • Downtime tolerance
Priority:	High
Status:	Planned
Comments:	Use of failover systems and availability zones is required.

NFR-004	Security Standards
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • OAuth provider • Encryption layer
Description:	The platform must enforce encrypted data storage and secure authentication via OAuth, with API rate limiting.
Specific data:	<ul style="list-style-type: none"> • Encryption algorithm • Auth flow compliance • API rate thresholds
Priority:	High
Status:	Planned
Comments:	Must comply with GDPR and platform privacy standards.
NFR-005	Real-Time Data Ingestion
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • OAuth provider • Encryption layer
Description:	The platform must enforce encrypted data storage and secure authentication via OAuth, with API rate limiting.
Specific data:	<ul style="list-style-type: none"> • Encryption algorithm • Auth flow compliance • API rate thresholds
Priority:	High
Status:	Planned
Comments:	Must comply with GDPR and platform privacy standards.
NFR-006	Multi-Region Access
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Global CDN • Data replication system
Description:	User data must be accessible from different regions with low latency, using synchronized replicas.
Specific data:	<ul style="list-style-type: none"> • Regional replication delay • Access latency
Priority:	High
Status:	Planned
Comments:	Ensure consistency and data integrity across replicas.

NFR-007	Real-Time Data Ingestion
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • ML engine • Data pipeline
Description:	The system must implement content-based and collaborative filtering algorithms for user feed
Specific data:	<ul style="list-style-type: none"> • User interaction data • Embedding vectors
Priority:	Medium
Status:	Planned
Comments:	Must comply with GDPR and platform privacy standards.
NFR-008	Business Intelligence Module
Version: 1	28/April/2025
Dependency:	<ul style="list-style-type: none"> • Data warehouse • BI tool (Superset/Power BI)
Description:	The system must integrate a BI module for generating insights on user engagement, content performance, and
Specific data:	<ul style="list-style-type: none"> • User metrics • Post interactions • Regional trends
Priority:	Medium
Status:	Planned
Comments:	Dashboards must be accessible to managers and admins.

