Union-Driven Delegated Governance Model for Namma Yatri

1. Executive Summary

This governance framework is designed around a **delegated voting system**, where Namma Yatri users (drivers, passengers, and developers) can **delegate their governance tokens** to trusted unions or representatives, who vote on their behalf in key decisions. This simplifies the decision-making process while ensuring that the collective interests of large groups, such as driver unions and passenger associations, are represented. The model provides transparency, empowerment, and ease of use for all stakeholders, while leveraging unions' influence to make governance more accessible to those who may not be well-versed in blockchain or token-based systems.

2. Governance Model Description

Stakeholders Involved

1. **Drivers**: The largest stakeholder group, consisting of those who provide ride services. Drivers have a long history of being organized through unions, which advocate for their rights.
2. **Passengers**: The general public using the Namma Yatri platform for transportation. They may also delegate their tokens to passenger associations or trusted individuals.
3. **App Developers**: Individuals or groups working on maintaining or upgrading the app. Their participation is crucial for improving the technological aspects of the platform.
4. **Unions/Representatives**: Verified unions or representatives who aggregate the governance tokens of users and vote on their behalf. This may include driver unions, passenger associations, or developer collectives.

Governance Tokens

Governance tokens represent voting power in the Namma Yatri ecosystem and are earned based on user participation and contributions. Users can:

- **Earn tokens** for completing rides (drivers), using the app frequently (passengers), or contributing to app development (developers).

- **Delegate tokens** to trusted unions or representatives to vote on their behalf on governance issues.

Delegation and Voting

- **Delegation Process**: Users can delegate their tokens to unions or individuals. This allows the union or representative to vote on behalf of all the users who have delegated their tokens to them.
- **Unions/Representatives Voting**: Unions or representatives vote collectively on proposals related to pricing, policy changes, platform features, and more.

Types of Proposals

Proposals can address various issues:

- **Fare and Pricing Changes**: Proposals related to the fare structure, surge pricing, or discounts.
- **Platform Fees**: Decisions on the percentage of platform fees or commission.
- **New Features/Tech Changes**: App developers may propose upgrades or feature changes, such as new navigation features or rider safety protocols.
- **Driver/Passenger Policies**: Proposals regarding service standards, cancellation policies, etc.

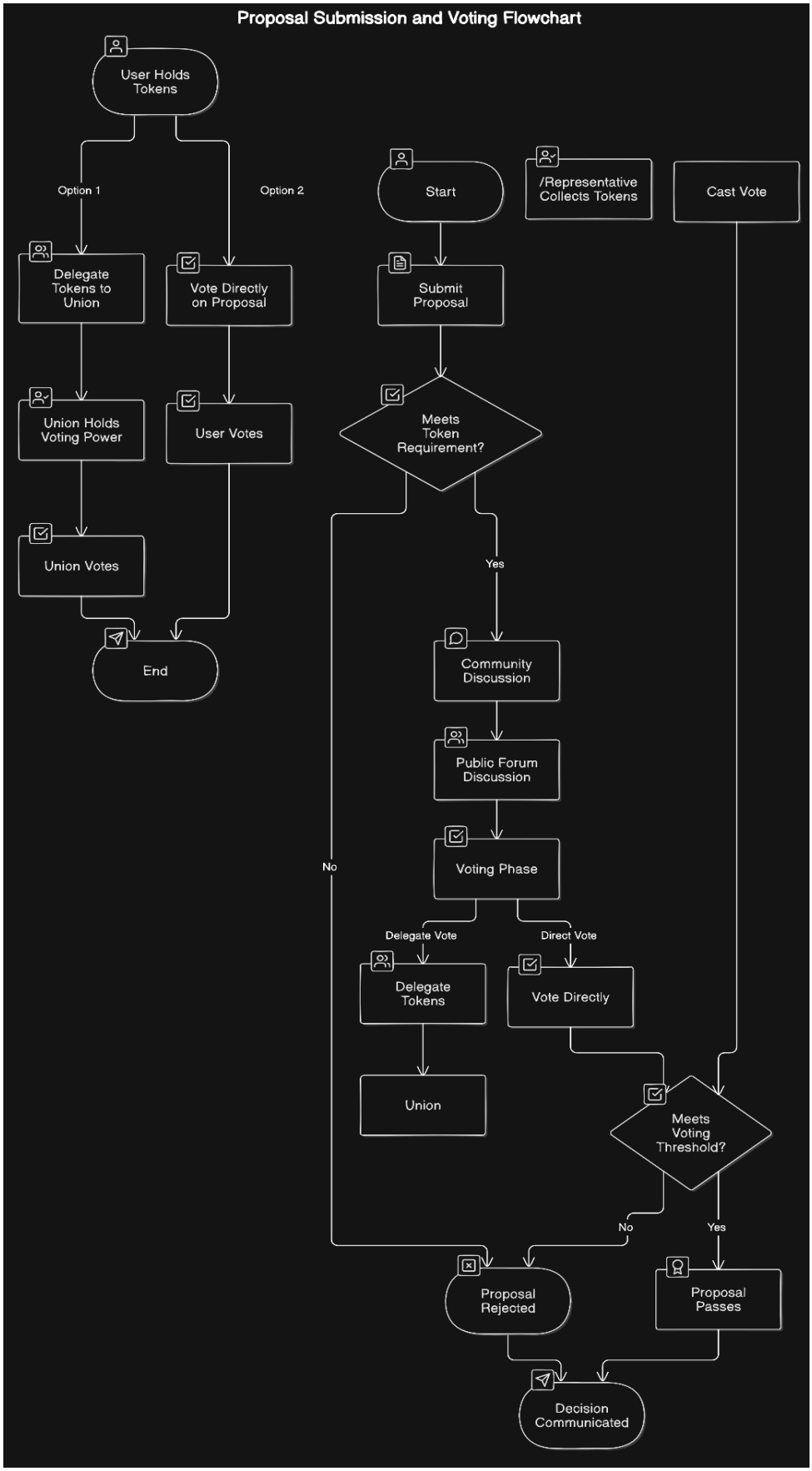
3. Proposal Creation and Submission Process

Who Can Submit Proposals?

- Proposals can be submitted by any **union or individual** who holds a minimum amount of governance tokens. This ensures that only serious, well-considered proposals are submitted.

Proposal Flow

1. **Proposal Creation**: A union, representative, or individual holding enough tokens drafts and submits a proposal.
2. **Community Discussion**: The proposal enters a discussion phase, where unions and token holders can publicly comment, debate, or suggest changes.
3. **Delegate Voting**: After the discussion period, the proposal moves to voting. Users can either vote directly or delegate their tokens to unions to vote on their behalf.
4. **Final Decision**: The result of the vote is published, with the decision made based on the total voting power (tokens) supporting the proposal.


Proposal Submission and Voting Flowchart
User Holds Tokens
Option 1
Option 2
Delegate Tokens to Union
Vote Directly on Proposal
Union Holds Voting Power
User Votes
Union Votes
End
Start
/Representative Collects Tokens
Cast Vote
Submit Proposal
Meets Token Requirement?
Yes
No
Community Discussion
Public Forum Discussion
Voting Phase
Delegate Vote
Direct Vote
Delegate Tokens
Vote Directly
Union
Meets Voting Threshold?
No
Yes
Proposal Rejected
Proposal Passes
Decision Communicated

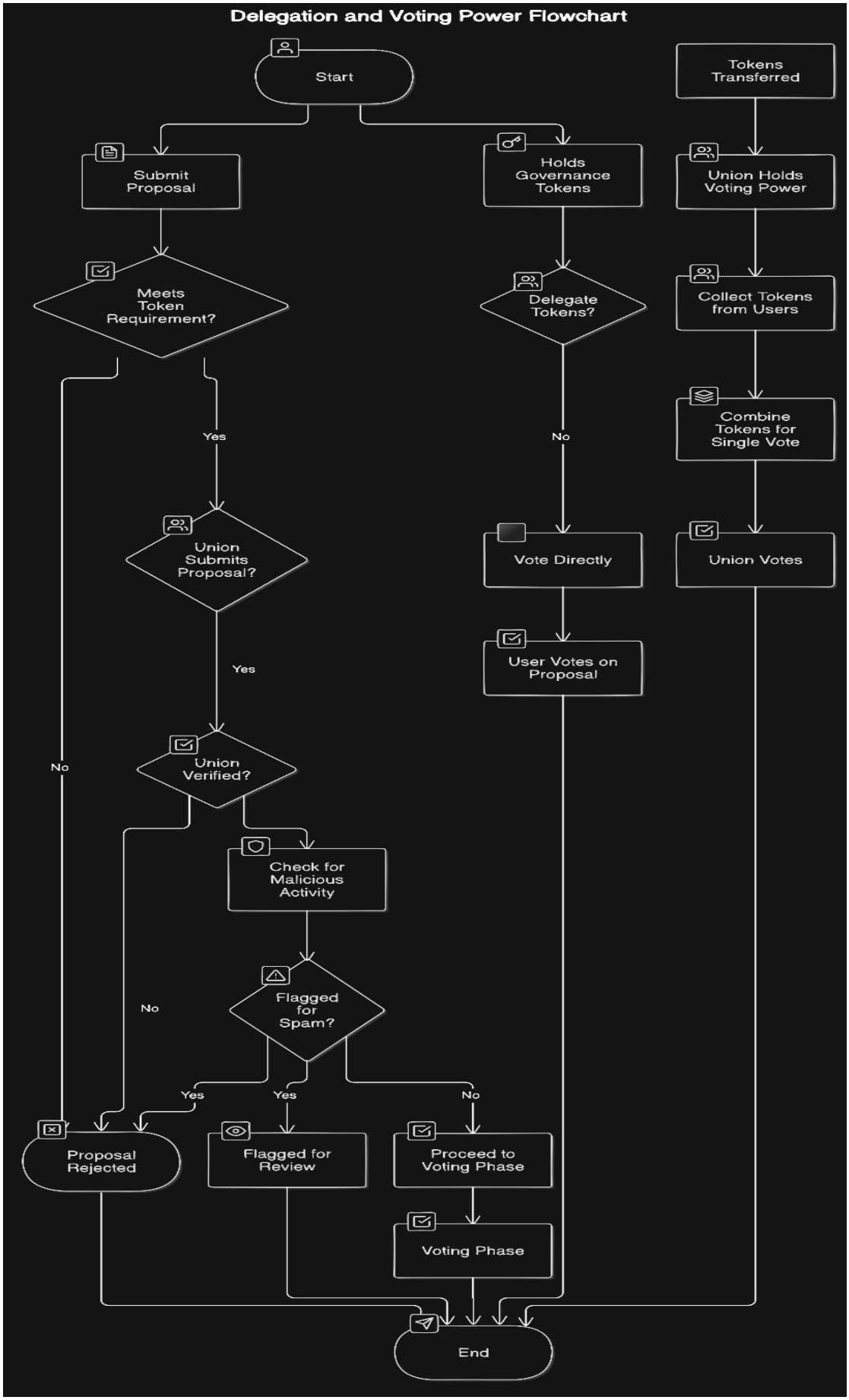
4. Voting System

Delegated Voting

- **Token Delegation**: Users (drivers, passengers, developers) can choose to delegate their tokens to unions or trusted representatives who can vote on their behalf. For example, a driver can delegate their tokens to a driver union, and the union will cast a vote on proposals affecting fare rates or platform policies.
- **Direct Voting Option**: Users who wish to vote on specific proposals themselves can choose to do so, though most users may prefer the simplicity of delegation.
- **Union Voting**: Unions vote on behalf of all their members and their combined tokens. Larger unions, representing more users, will have more voting power.
- **Weighted Voting Power**: The number of tokens held by a union or representative determines the weight of their vote.

Approval Thresholds

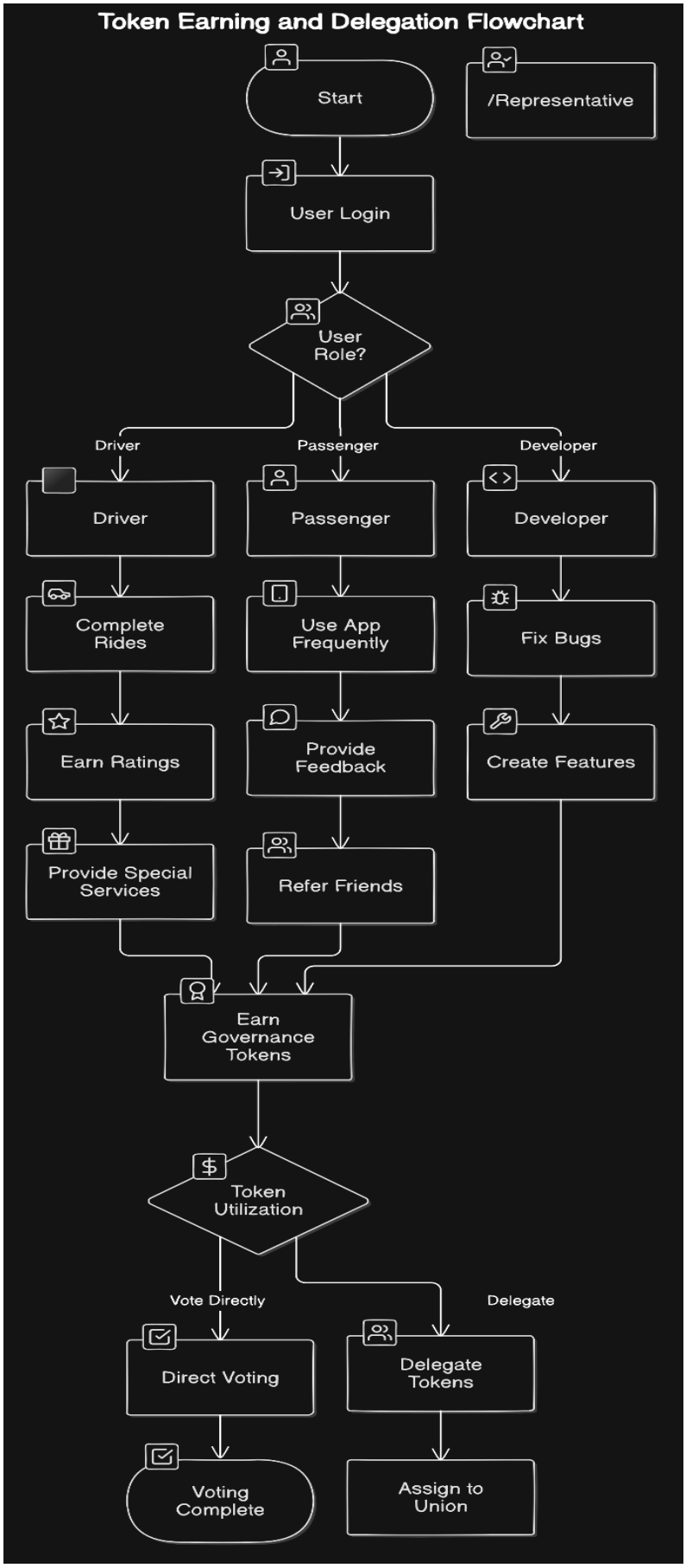
- For most proposals, a **simple majority** (50%+ of total tokens) is required for approval.
- For critical decisions like fare changes or platform fee adjustments, a **supermajority** (e.g., 67%) may be required to ensure broad support.


Delegation and Voting Power Flowchart
Start
Tokens Transferred
Submit Proposal
Holds Governance Tokens
Union Holds Voting Power
Meets Token Requirement?
Delegate Tokens?
Collect Tokens from Users
Yes
No
Combine Tokens for Single Vote
Union Submits Proposal?
Vote Directly
Union Votes
Yes
User Votes on Proposal
No
Union Verified?
Check for Malicious Activity
Flagged for Spam?
No
Yes
Yes
No
Proposal Rejected
Flagged for Review
Proceed to Voting Phase
Voting Phase
End

5. Incentive Structures

Earning Governance Tokens

1. **Drivers**:
    - Earn tokens based on the number of completed rides, customer feedback, and service milestones (e.g., completing 500 rides or maintaining a 4.5-star rating).
    - Special tokens for providing priority services, such as rides to hospitals or schools.
2. **Passengers**:
    - Earn tokens for using the app frequently, providing feedback, or referring new users.
    - Special tokens for positive interactions with drivers or providing essential feedback on the app.
3. **Developers**:
    - Earn tokens for contributions to the app, such as developing features, fixing bugs, or improving user experience.


Token Earning and Delegation Flowchart
Start
/Representative
User Login
User Role?
Driver
Passenger
Developer
Driver
Passenger
Developer
Complete Rides
Use App Frequently
Fix Bugs
Earn Ratings
Provide Feedback
Create Features
Provide Special Services
Refer Friends
Earn Governance Tokens
Token Utilization
Vote Directly
Delegate
Direct Voting
Delegate Tokens
Voting Complete
Assign to Union

Spending Governance Tokens

- **Voting on Proposals**: Users can spend tokens to vote on key platform decisions or delegate their votes.
- **Priority Services for Drivers**: Drivers can use tokens to get access to special services such as **destination selection**, priority trip assignments, or discounts on maintenance services.
- **Community Engagement**: Token holders who lock up their tokens for longer periods can receive extra incentives or gain priority in voting, encouraging long-term commitment to the platform.

6. Spam Prevention and System Integrity

Minimum Token Requirement

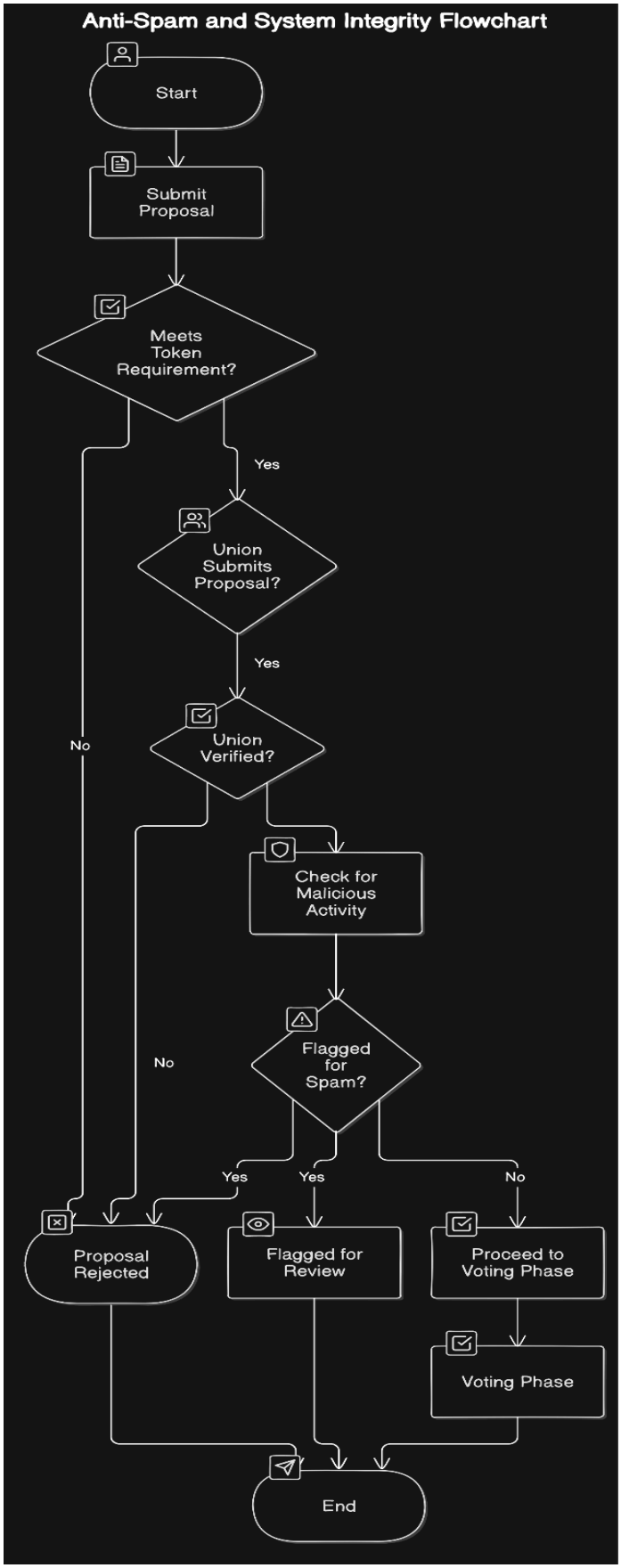
- To prevent spam, a **minimum number of tokens** is required to submit a proposal. This ensures that only serious, well-considered proposals make it to the voting stage.

Union Verification

- **Unions or representatives** must be verified and meet certain standards to participate in governance. This prevents fraudulent or untrustworthy entities from gaining undue influence.

Delegation Transparency

- Token delegation and voting results are fully transparent. All users can see which unions or representatives voted on which proposals, and how their tokens were used, ensuring accountability.


Anti-Spam and System Integrity Flowchart
Start
Submit Proposal
Meets Token Requirement?
Yes
No
Union Submits Proposal?
Yes
No
Union Verified?
Check for Malicious Activity
Flagged for Spam?
No
Yes
Yes
No
Proposal Rejected
Flagged for Review
Proceed to Voting Phase
Voting Phase
End

7. Legal and Compliance Considerations

Data Privacy and Crypto Compliance

- The system will comply with **local Indian regulations** regarding the use of cryptocurrencies and governance tokens.
- **Data privacy** will be ensured, and all token transactions will be secure and transparent, adhering to India's data protection laws, such as the **Data Protection Bill**.

Labor Law Compliance

- The involvement of unions and their role in governance will be in line with **India's labor laws** and regulations surrounding unions, particularly those governing driver rights and conditions.

8. Community Feedback and Engagement

Union and Individual Feedback

- **Unions** will regularly collect feedback from their members (drivers or passengers) and submit it as part of the governance process.
- Periodic **surveys** will be conducted in-app to gather feedback directly from passengers and drivers who may not be part of a union.

User Stories

- **Driver Scenario**: A driver completes a milestone of 1,000 rides and earns governance tokens. They decide to delegate their tokens to their union, which votes on a proposal to adjust fare structures during peak hours.
- **Passenger Scenario**: A regular passenger earns tokens by providing feedback on their rides. They delegate their tokens to a passenger representative to vote on a proposal to improve app functionality, such as adding better safety features.

9. Conclusion

The Union-Driven Delegated Governance Model ensures that **drivers, passengers, and developers** can participate in the governance of the Namma Yatri platform through trusted representatives. By empowering unions and simplifying decision-making through delegation, the model respects India's **socio-economic diversity** while encouraging active participation. This structure balances **direct democracy** with **collective representation**, ensuring that the voices of all stakeholders are heard while preventing decision-making from becoming too complicated for users unfamiliar with crypto or governance systems.