Social Feed Feature PRD 📱

Overview 🎯

The social feed feature will provide users with a dynamic, real-time stream of content from their network, similar to modern social media platforms.

Problem Statement 🤔

Users need a centralized place to:

- View updates from connections 👥

- Share their own content 📝

- Engage with others' posts 💬

User Stories 📖

Core Features

1. Post Creation ✍️

  - Users can create posts with text, images, and links

  - Support for rich text formatting

  - Option to add location tags 📍

  - Ability to mention other users @username

2. Feed Navigation 🔍

  - Infinite scroll functionality

  - Pull-to-refresh for latest content

  - Toggle between "Latest" and "Top" posts

- Save posts for later viewing 🔖

3. Engagement Features ❤️

   - Like/React to posts

   - Comment on posts

   - Share posts

   - Follow/Unfollow users

Technical Requirements 🛠️

Backend Requirements

- Real-time updates using WebSocket

- Efficient content caching

- CDN integration for media

- Rate limiting implementation

Frontend Requirements

- Responsive design for all devices

- Lazy loading for images

- Optimistic UI updates

- Accessibility compliance

Analytics Requirements 📊

- Track user engagement metrics

- Monitor content performance

- Measure user retention

- Analysis of popular content types

Success Metrics 📈

1. Engagement Metrics

   - Daily Active Users (DAU)

   - Average time spent in feed

   - Post interaction rate

   - Content creation rate

2. Performance Metrics

   - Feed load time < 2 seconds

   - Image load time < 1 second

   - API response time < 100ms

Timeline and Milestones 📅

Phase 1 (Weeks 1-4):

- Basic feed implementation

- Post creation functionality

- Core engagement features

Phase 2 (Weeks 5-8):

- Rich media support

- Advanced filtering

- Performance optimization

Phase 3 (Weeks 9-12):

- Analytics integration

- A/B testing framework

- Feature refinement

Risk Assessment ⚠️

1. Performance Risks

  - High concurrent user load

  - Large media file handling

  - Real-time update scaling

2. User Experience Risks

  - Content moderation challenges

  - Feed algorithm complexity

  - User privacy concerns

Future Considerations 🔮

- Integration with third-party platforms

- Advanced content recommendation system

- Enhanced media editing capabilities

- Live streaming features

- Community-driven content curation