

Product Requirements Document (PRD)

Social Media Feed Feature

A detailed overview of modules and functionalities.

Module 1

SocialMediaFeed - Module 1

=====

Sub-Feature: Feed Rendering

Description:

This module focuses on feed rendering within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending feed rendering.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Feed Rendering module.')
```

Module 2

SocialMediaFeed - Module 2

=====

Sub-Feature: User Interaction

Description:

This module focuses on user interaction within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending user interaction.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the User Interaction module.')
```

Module 3

SocialMediaFeed - Module 3

=====

Sub-Feature: Analytics

Description:

This module focuses on analytics within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending analytics.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Analytics module.')
```

Module 4

SocialMediaFeed - Module 4

=====

Sub-Feature: Post Creation

Description:

This module focuses on post creation within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending post creation.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Post Creation module.')
```

Module 5

SocialMediaFeed - Module 5

=====

Sub-Feature: Image and Video Uploads

Description:

This module focuses on image and video uploads within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending image and video uploads.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Image and Video Uploads module.')
```

Module 6

SocialMediaFeed - Module 6

=====

Sub-Feature: Hashtags and Mentions

Description:

This module focuses on hashtags and mentions within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending hashtags and mentions.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Hashtags and Mentions module.')
```

Module 7

SocialMediaFeed - Module 7

=====

Sub-Feature: Content Moderation

Description:

This module focuses on content moderation within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending content moderation.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Content Moderation module.')
```


Module 8

SocialMediaFeed - Module 8

=====

Sub-Feature: Push Notifications

Description:

This module focuses on push notifications within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending push notifications.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Push Notifications module.')
```

Module 9

SocialMediaFeed - Module 9

=====

Sub-Feature: Offline Support

Description:

This module focuses on offline support within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending offline support.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Offline Support module.')
```

Module 10

SocialMediaFeed - Module 10

=====

Sub-Feature: Localization

Description:

This module focuses on localization within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending localization.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Localization module.')
```

Module 11

SocialMediaFeed - Module 11

=====

Sub-Feature: Dark Mode

Description:

This module focuses on dark mode within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending dark mode.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Dark Mode module.')
```

Module 12

SocialMediaFeed - Module 12

=====

Sub-Feature: Accessibility Features

Description:

This module focuses on accessibility features within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending accessibility features.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Accessibility Features module.')
```

Module 13

SocialMediaFeed - Module 13

=====

Sub-Feature: Trending Topics

Description:

This module focuses on trending topics within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending trending topics.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Trending Topics module.')
```

Module 14

SocialMediaFeed - Module 14

=====

Sub-Feature: Content Recommendations

Description:

This module focuses on content recommendations within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending content recommendations.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Content Recommendations module.')
```

Module 15

SocialMediaFeed - Module 15

=====

Sub-Feature: Search and Filter

Description:

This module focuses on search and filter within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending search and filter.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Search and Filter module.')
```


Module 16

SocialMediaFeed - Module 16

=====

Sub-Feature: User Profiles

Description:

This module focuses on user profiles within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending user profiles.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the User Profiles module.')
```

Module 17

SocialMediaFeed - Module 17

=====

Sub-Feature: Followers and Following

Description:

This module focuses on followers and following within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending followers and following.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Followers and Following module.')
```

Module 18

SocialMediaFeed - Module 18

=====

Sub-Feature: Direct Messaging

Description:

This module focuses on direct messaging within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending direct messaging.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Direct Messaging module.')
```

Module 19

SocialMediaFeed - Module 19

=====

Sub-Feature: Group Feeds

Description:

This module focuses on group feeds within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending group feeds.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Group Feeds module.')
```

Module 20

SocialMediaFeed - Module 20

=====

Sub-Feature: Story Feature

Description:

This module focuses on story feature within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending story feature.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Story Feature module.')
```

Module 21

SocialMediaFeed - Module 21

=====

Sub-Feature: Archive and Unarchive Posts

Description:

This module focuses on archive and unarchive posts within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending archive and unarchive posts.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Archive and Unarchive Posts module.')
```

Module 22

SocialMediaFeed - Module 22

=====

Sub-Feature: Saved Posts

Description:

This module focuses on saved posts within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending saved posts.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Saved Posts module.')
```

Module 23

SocialMediaFeed - Module 23

=====

Sub-Feature: Ads Management

Description:

This module focuses on ads management within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending ads management.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Ads Management module.')
```


Module 24

SocialMediaFeed - Module 24

=====

Sub-Feature: Integration with Other Platforms

Description:

This module focuses on integration with other platforms within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending integration with other platforms.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Integration with Other Platforms module.')
```

Module 25

SocialMediaFeed - Module 25

=====

Sub-Feature: Live Streaming

Description:

This module focuses on live streaming within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending live streaming.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Live Streaming module.')
```

Module 26

SocialMediaFeed - Module 26

=====

Sub-Feature: Polls and Questions

Description:

This module focuses on polls and questions within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending polls and questions.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Polls and Questions module.')
```

Module 27

SocialMediaFeed - Module 27

=====

Sub-Feature: Event Management

Description:

This module focuses on event management within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending event management.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Event Management module.')
```

Module 28

SocialMediaFeed - Module 28

=====

Sub-Feature: API Integration

Description:

This module focuses on api integration within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending api integration.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the API Integration module.')
```

Module 29

SocialMediaFeed - Module 29

=====

Sub-Feature: Security and Privacy

Description:

This module focuses on security and privacy within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending security and privacy.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Security and Privacy module.')
```

Module 30

SocialMediaFeed - Module 30

=====

Sub-Feature: Support and Feedback

Description:

This module focuses on support and feedback within the SocialMediaFeed. It ensures that users have a seamless experience with robust functionality.

Implementation Details:

- Outline the architecture or design.
- Discuss the technologies and libraries used.
- Provide pseudocode or high-level explanations.

Key Considerations:

- Scalability
- Performance
- Security
- User Experience

Future Enhancements:

- Ideas for improving or extending support and feedback.

Example Code Snippet:

```
def example_function():  
    print('This is a placeholder for the Support and Feedback module.')
```