
Pentominoes

HeartSteal
Use-Case Specification: Like Post

Version 1.0

HeartSteal	Version: 1.0
Use-Case Specification: Like Post (User)	Date: 18/07/2025

Revision History

Date	Version	Description	Author
18/07/2025	1.0	The initial version of like post feature	Huỳnh Lê Duy Khánh

HeartSteal	Version: 1.0
Use-Case Specification: Like Post (User)	Date: 18/07/2025

Table of Contents

1. Use-Case Name	4
1.1 Brief Description	4
1.2 Primary Actor	4
2. Flow of Events	4
2.1 Basic Flow	4
2.2 Alternative Flows	4
2.2.1 Post is deleted before the user likes (Step 2)	4
2.2.2 User is offline (Step 2)	4
2.2.3 Post Owner is offline or logged out (Step 7)	4
3. Special Requirements	4
4. Preconditions	4
5. Postconditions	4
6. Prototype	5

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Use-Case Specification: Like Post

1. Use-Case Name

1.1 Brief Description

Users can tap the heart button to let their friends know they are vibing with the post.

1.2 Primary Actor

User

2. Flow of Events

2.1 Basic Flow

1. The user is browsing the post feed.
2. The user sees a post and taps the heart icon.
3. The app: Updates the UI instantly (filled heart icon).
4. Sends a like action to the backend.
5. Backend stores or updates the like entry (user, post).
6. The total like count is updated.
7. The post owner is notified.

2.2 Alternative Flows

2.2.1 *Post is deleted before the user likes (Step 2)*

1. If the post is deleted before the user likes it, an error message is shown.
2. The app goes back to the previous post.

2.2.2 *User is offline (Step 2)*

1. If the user is out of connection, warn them that they can't like the post.

2.2.3 *Post Owner is offline or logged out (Step 7)*

1. The system queues the notification and attempts delivery once the post owner reconnects or logs in.

3. Special Requirements

- UI should update instantly if the number of like changes
- Notify post owners when someone likes their post.

4. Preconditions

- User is logged in
- User is viewing a post shared by a friend or within their visibility rights

5. Postconditions

- The post is marked as "liked" by the user, and the total like count may be updated for the post owner and others.

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6. Prototype

