
Pentominoes

HeartSteal
Use-Case Specification: Download Post

Version 1.0

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

Revision History

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

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Use-Case Specification: Download Post

1. Use-Case Name

1.1 Brief Description

Users can download their friends' shared photos

1.2 Primary Actor

User

2. Flow of Events

2.1 Basic Flow

1. The user is viewing a post of their friend.
2. The user taps the "Download" button.
3. App checks for storage permission.
4. The photo file is retrieved from the backend
5. The photo is saved to the device's local storage.

2.2 Alternative Flows

2.2.1 *Downloading (Step 2)*

1. If they download is fail (with connection to the internet), warn them that they can't download the photo
2. The app goes to the view post screen.

2.2.2 *Storage permission request (Step 3)*

1. If storage permission is denied again, show a storage permission request.
2. If user admits the permission, the photo is download

2.2.2.1 Storage permission request is denied (Step 3.2)

1. If the user denies the permission, warn them that they can't download the photo
2. The app goes back to the view post screen.

2.2.3 *Post is deleted before downloading (Step 2)*

1. If the post is deleted before downloading, the system shows the message that they can't download this photo
2. The system goes back to the previous post screen.

3. Special Requirements

- Users can only download posts they have access to view.
- Image download and save should complete within 2–3 seconds on a stable network.

4. Preconditions

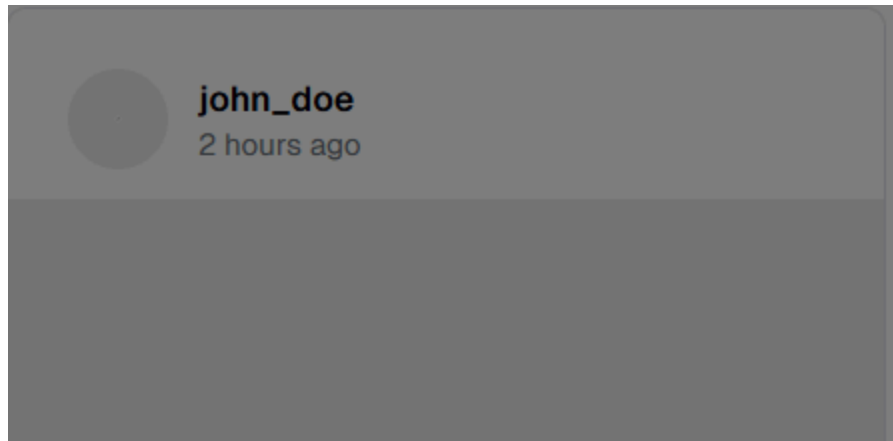
- User is logged in
- User has permission to view the post
- The device supports file saving and has sufficient storage

5. Postconditions

- The photo from the post is saved to the user's device

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6. Prototype



Storage Permission

This app needs storage permission to save photos to your device.

