
Pentominoes

HeartSteal
Use-Case Specification: Recover Password

Version 1.0

HeartSteal	Version: 1.0
Use-Case Specification: Recover Password	Date: 18/07/2025

Revision History

Date	Version	Description	Author
18/07/2025	1.0	Initial version created	Đoàn Lê Gia Bảo

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Use-Case Specification: Recover Password

1. Recover Password

1.1 Brief Description

Allows a registered user who has forgotten their password to change it by requesting a password reset via their registered email.

1.2 Primary Actor

User

2. Flow of Events

2.1 Basic Flow

1. The user opens the application.
2. The system displays the Log In screen.
3. The user clicks on "Forgot password?".
4. The system displays the Find Account screen.
5. The user enters their registered email address.
6. The user clicks the "Search" button.
7. The system sends a PIN code to the provided email address.
8. The user enters the PIN code to access the Change Password screen.
9. The user enters a new password and confirms it by re-entering.
10. The system validates the new password and updates the account.
11. The system redirects the user to the Log In screen.

2.2 Alternative Flows

2.2.1 Invalid Email Address

At step 5, if the user enters an email address that is not associated with any account, the system displays an error message: "No account found with this email." The user remains on the Find Account screen and can re-enter a valid email.

2.2.2 Email Not Registered

At step 5, if the user enters an email address that is not associated with any existing account, the system displays an error message: "No account found with this email." The user remains on the Find Account screen and may re-enter a valid registered email.

2.2.3 Incorrect PIN Code

At step 8, if the user enters an incorrect PIN code, the system displays: "Invalid or expired PIN code." The user remains on the PIN input screen and can try again. After several failed attempts, the code may expire and need to be re-sent.

2.2.4 Passwords Do Not Match

At step 9, if the new password and confirmation password do not match, the system shows: "Passwords do not match." The user must re-enter the passwords correctly to proceed.

2.2.5 Weak Password

At step 9, if the entered password does not meet security requirements, the system displays an error message: "Password must be at least 8 characters with a mix of letters and numbers".

2.2.6 No Internet Connection

At step 3, if the user attempts to change password without an active internet connection, the system displays a message: "Please try again later".

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2.2.7 *Server Not Responding*

At step 3, if the server does not respond, the system displays a message: “Please try again later”.

3. Special Requirements

- The system must send the PIN code within 10 seconds after clicking "Search".
- The system must allow resending the PIN after 30 seconds if not received.
- The system must display error feedback within 1 second when an error occurs.
- The system must ensure the password meets security criteria.
- The system must disable input fields during processing to prevent multiple submissions.

4. Preconditions

- The user has the app installed.
- The user has an active internet connection.
- The user already has a registered account.


5. Postconditions

- User password is successfully updated.
- User can log in using the new password.

6. Prototype

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← Find Account



Find Your Account

Enter your email address and we'll send you a PIN code to reset your password.

Email Address

Enter your registered email

Search

Back to Login


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9:41

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← Change Password




Create New Password

Enter a strong password to secure your account.

New Password



Confirm Password



Change Password