
Pentominoes

HeartSteal
Use-Case Specification: Log In (User)

Version 1.0

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

Revision History

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

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

Table of Contents

1. Log In (User)	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 Invalid Information	4
2.2.2 Account Not Registered	4
2.2.3 No internet connection	4
2.2.4 Server Not Responding	4
3. Special Requirements	4
4. Preconditions	4
5. Postconditions	4
6. Prototype	4

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

Use-Case Specification: Log In (User)

1. Log In (User)

1.1 Brief Description

Allows a registered user to log in using their email and password.

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 enters their email and password.
4. The user clicks log in.
5. The system verifies the account.
6. The system redirects the user to the main interface.

2.2 Alternative Flows

2.2.1 Invalid Information

At step 5, if the user enters an incorrect email or password, the system displays an error message: "Incorrect email or password".

2.2.2 Account Not Registered

At step 5, if the user enters an email that is not associated with any account, the system displays an error message: "Incorrect email or password".

2.2.3 No internet connection

At step 5, if the user attempts to log in without an active internet connection, the system displays a message: "Please try again later".

2.2.4 Server Not Responding

At step 5, if the server does not respond, the system displays a message: "Please try again later".

3. Special Requirements

- The system must transition to the main screen within 5 seconds after successful login.
- The system must display error feedback within 1 second when an error occurs.
- The system must provide clear and user-friendly error messages to guide the user.
- The system must disable input fields during processing to prevent multiple submissions.

4. Preconditions

- User has the app installed
- User has an active internet connection
- User has already registered an account

5. Postconditions

- User is authenticated
- User is redirected to the main interface
- User session is securely established

6. Prototype

