
Pentominoes

HeartSteal
Use-Case Specification: Sign Up

Version 1.0

HeartSteal	Version: 1.0
Use-Case Specification: Sign Up	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: Sign Up

1. Sign up

1.1 Brief Description

Allows a new user to create an account using their email, username, 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 clicks "Register now".
4. The system displays the Register screen.
5. The user enters a unique email, a username, and a secure password.
6. The user clicks Sign Up.
7. The system validates the input and creates a new account.
8. The system redirects the user to the main interface.

2.2 Alternative Flows

2.2.1 *Email Already Registered*

At step 5, if the email is already associated with an existing account, the system displays an error message: "Email is already in use".

2.2.2 *Weak Password*

At step 5, 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".

2.2.3 *Invalid Email Format*

At step 5, if the entered email is not in a valid format, the system displays an error message: "Please enter a valid email address".

2.2.4 *No Internet Connection*

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

2.2.5 *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 registration.
- 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 is not currently registered

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5. Postconditions

- User account is created
- User is redirected to the main interface
- User session is securely established

6. Prototype

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Create Account

Sign up to get started

Email

Username

Password

Sign Up

By signing up, you agree to our [Terms of Service](#) and [Privacy Policy](#)

Already have an account? [Log in](#)