Pentominoes

HeartSteal
Use-Case Specification: Change Password

Version 1.0

Revision History

Date	Version	Description	Author
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Table of Contents

1. Change Password **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 User Cancels Password Change 4
2.2.2 Incorrect Current Password 4
2.2.3 Passwords Do Not Match 4
2.2.4 Weak Password 4
2.2.5 No Internet Connection 4
2.2.6 Server Not Responding 4
3. Special Requirements **4**
4. Preconditions **5**
5. Postconditions **5**
6. Prototype **5**

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Use-Case Specification: Change Password

1. Change Password

1.1 Brief Description

Allows a registered user to change password 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 Settings screen.
2. The system displays the Settings screen.
3. The user clicks on “Change Password”.
4. The system displays a message to confirm the password change.
5. The system displays the Change Password screen.
6. The user enters the current password, a new password and confirms it by re-entering.
7. The system validates the new password and updates the account.
8. The system redirects the user to the Log In screen.

2.2 Alternative Flows

2.2.1 User Cancels Password Change

At step 4, if the user chooses not to confirm the password change when prompted, the system aborts the process and returns the user to the Settings screen without making any changes.

2.2.2 Incorrect Current Password

At step 6, if the user enters the wrong current password, the system displays an error message: "Incorrect current password." The user remains on the Change Password screen and is prompted to re-enter the correct current password.

2.2.3 Passwords Do Not Match

At step 6, 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.

2.2.4 Weak Password

At step 6, 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”.

2.2.5 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”.

2.2.6 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 transition to the Change Password screen or Log In screen within 5 seconds after confirming the password change.
- 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.
- The system must provide clear and user-friendly error messages to guide the user.

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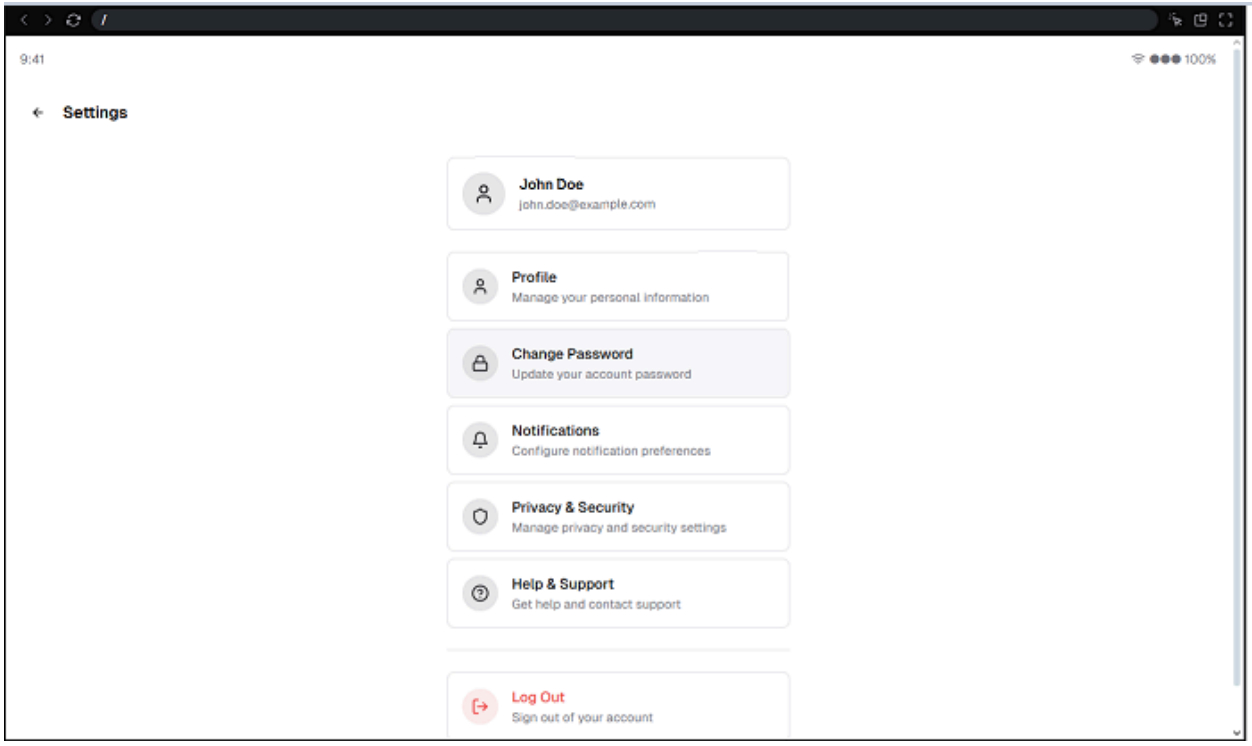
4. Preconditions

- The user has the app installed.
- The user has successfully logged in to their account.
- The user has access to the Settings screen.
- The user has an active internet connection.
- The server is responsive and the system is operational.

5. Postconditions

- If successful, the user's password is updated in the system.
- The user is redirected to the Log In screen to sign in with the new password.
- If unsuccessful, the password remains unchanged and the user stays on the Change Password screen with appropriate error feedback.

6. Prototype



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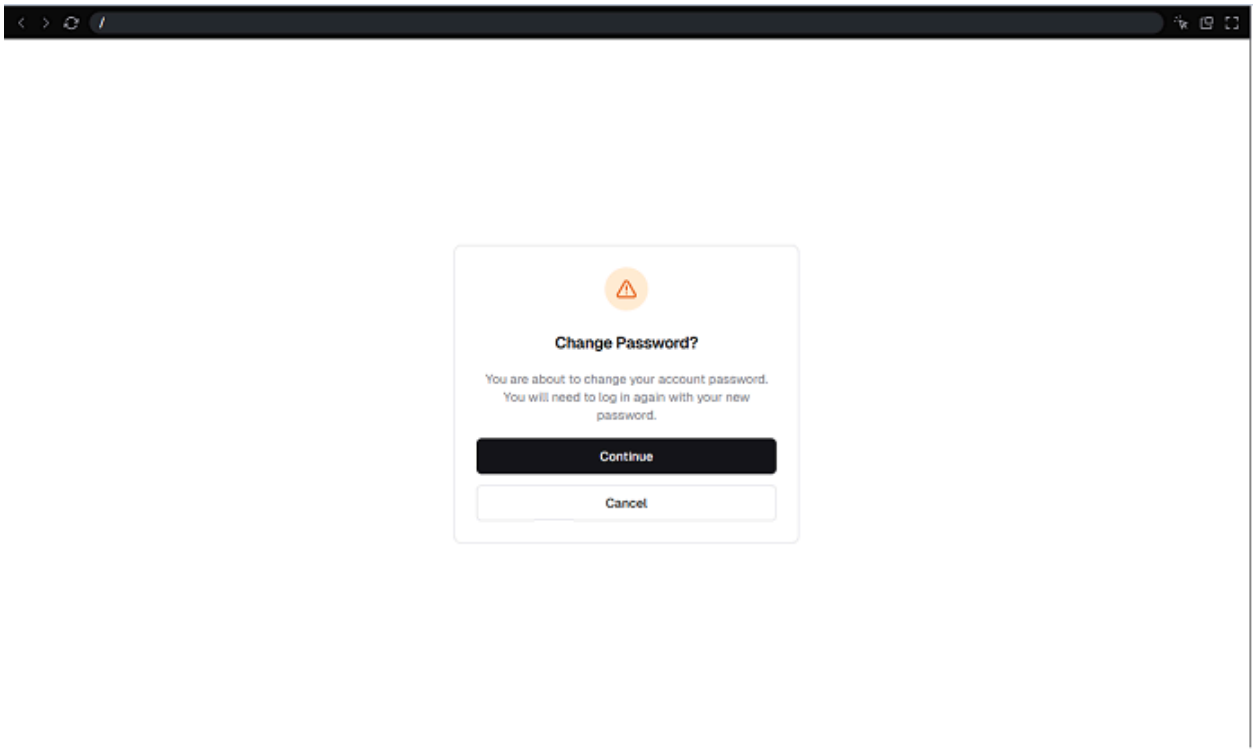

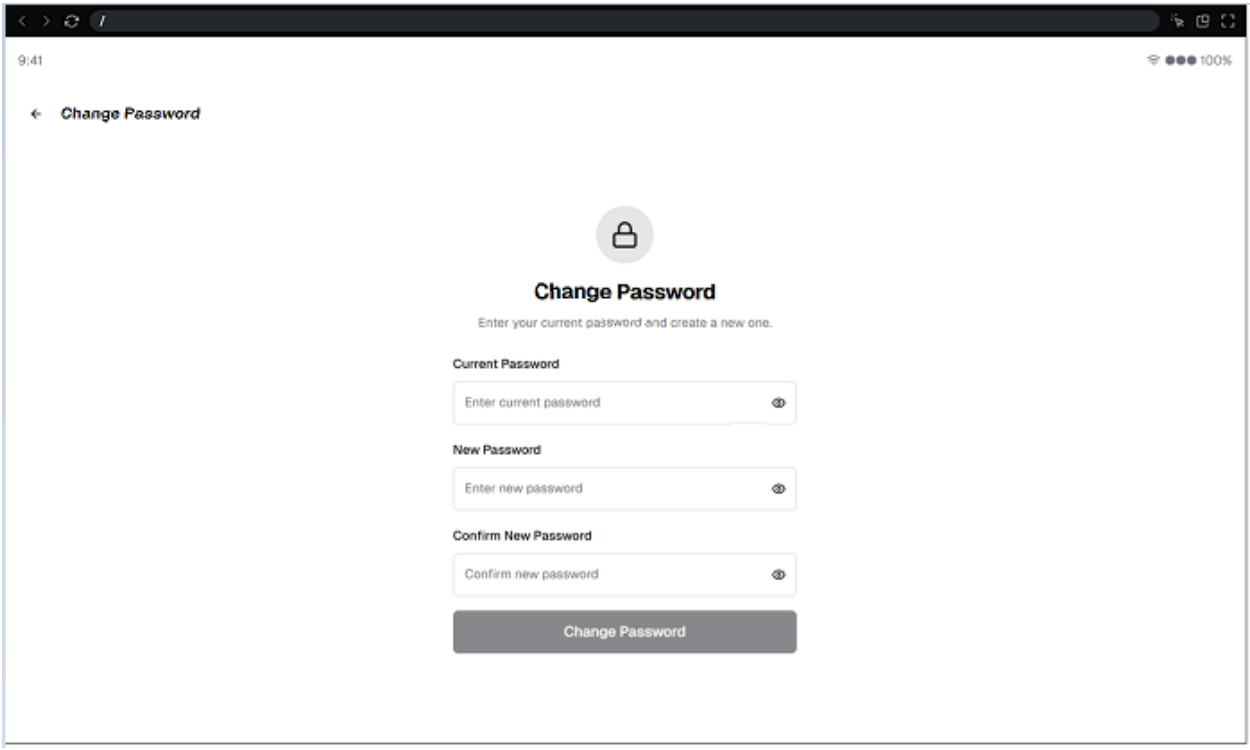

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