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**Group02**

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**Beatify**  
**Use-Case Specification: User Sign Up**

**Version 1.0**

Beatify	Version: 1.0
Use-Case Specification: User Sign Up	Date: 13/11/2024

## Revision History

Date	Version	Description	Author
13/11/2024	1.0	Initial version. Created use-case specifications for User Sign Up including necessary fields, basic and alternative flows, and specific preconditions and postconditions.	Lê Gia Huy

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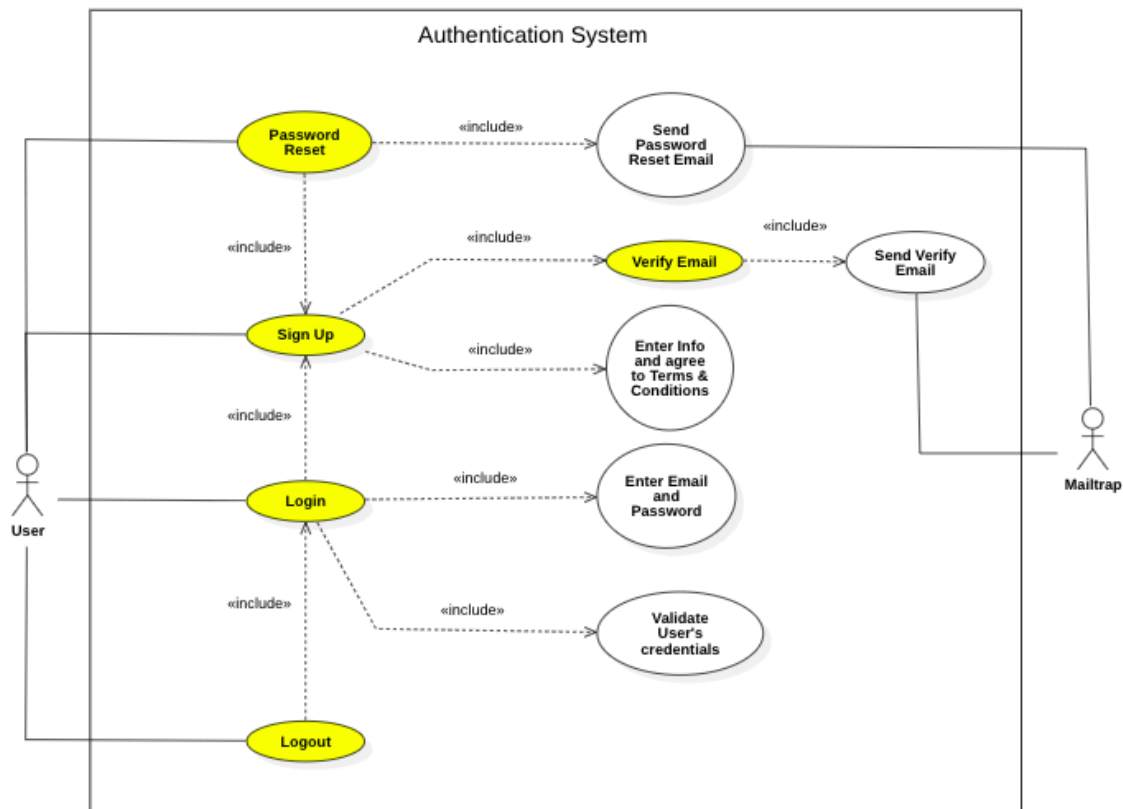
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# Use-Case Specification: User Sign Up

## 1. Use-Case Name: User Sign Up



### 1.1 Brief Description

Allows a new user to register an account by providing an email, password, and name, and agreeing to the terms and conditions.

## 2. Flow of Events

### 2.1 Basic Flow

1. The user submits their email, password, name, and ticks the "Agree to Terms and Conditions" checkbox.
2. The system checks if all required fields are filled and if the terms and conditions checkbox is ticked.
3. The system verifies if the email already exists.
4. If the email does not exist, the system hashes the password and creates a new user record.
5. A verification token is generated, and a verification email is sent.
6. The system sets a cookie with a session token and sends a success response.

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## 2.2 Alternative Flows

### 2.2.1 *User Already Exists*

1. If the email already exists, the system responds with an error message.
2. Users can try with different email or log in if an account is already exists

### 2.2.2 *Terms and Conditions Not Agreed*

1. If the terms and conditions checkbox is not ticked, the system displays an error message requiring the user to agree before proceeding.
2. Users can agree to the terms and conditions and retry.

### 2.2.3 *Invalid details*

1. System displays an error message indicating the invalid details.
2. Users can correct the details and retry

## 3. Special Requirements

- Password hashing using *bcryptjs* for security.
- Email verification token expires in 24 hours.

## 4. Preconditions

- User is not already registered.

## 5. Postconditions

- User account is created and pending email verification.

## 6. Extension Points

- None.