

Use Cases

The requirement of user registration

Functional description

In this function, user can sign up to use the application. In order to register successfully, user should provide his user name, password and email.

Precondition

1. User opens the application successfully.
2. The application has connected the internet successfully.

Basic event path

1. User input his user name.
2. User input his password.
3. User input his email address.

Abnormal path

1. The user name or email address is already existed in the database.
2. The format of email address is wrong.

Postcondition

The user registers successfully. The database in server has the registration information successfully.

The requirement of user login

Functional description

In this function, user can sign in to use the application. In order to use the feature in applications, the user must sign in first.

Precondition

1. User opens the application successfully.
2. The application has connected the internet successfully.

Basic event path

1. User input his user name and password.
2. User click the login button.

Abnormal path

1. The user name is not existed in the database.
2. The password is wrong.

Postcondition

The user logs in successfully. The application switch to the map activity.

The requirement of acquiring notes information

Functional description

In this function, user can receive different kinds of notes based on its geographical location.

Precondition

1. The application has got user geographical location successfully.
2. The application has connected the internet successfully.

Basic event path

1. User clicks button, trying to acquire the notes.
2. The server returns notes for application to display on the screen.

Abnormal path

1. The response time is more than 10 seconds.

Postcondition

The notes have been displayed on the screen successfully.

The requirement of posting notes

Functional description

In this function, user can post a note on the map. The note can includes texts, photos or voice.

Precondition

1. The user logs in successfully.
2. The application has connected the internet successfully.

Basic event path

1. The user clicks the post button.
2. The user inputs the texts to post.
3. The user selects the photo, if necessary.
4. The user clicks the finish button.

Abnormal path

1. The user inputs nothing in the edit text.

Postcondition

The notes have been posted on the map successfully.

The requirement of replying the notes

Functional description

When user see a note on the map, he can reply to it, which will be shown on the reply list.

Precondition

1. The user logs in successfully.
2. The application has connected the internet successfully.

Basic event path

1. The user clicks the note and the application switch to detail information activity.
2. The user inputs the texts to reply.
3. The user clicks the finish button.

Abnormal path

1. The user inputs nothing in the edit text.

Postcondition

The notes have been replied successfully.

The requirement of uploading user profile.

Functional description

In this function, the user can upload a user profile to represent himself.

Precondition

1. The user logs in successfully.
2. The application has connected the internet successfully.

Basic event path

1. The user clicks the button to select a photo
2. The user clicks the finish button.

Abnormal path

1. The server doesn't response.

Postcondition

The profile have been updated successfully.

Diagram

