Database project

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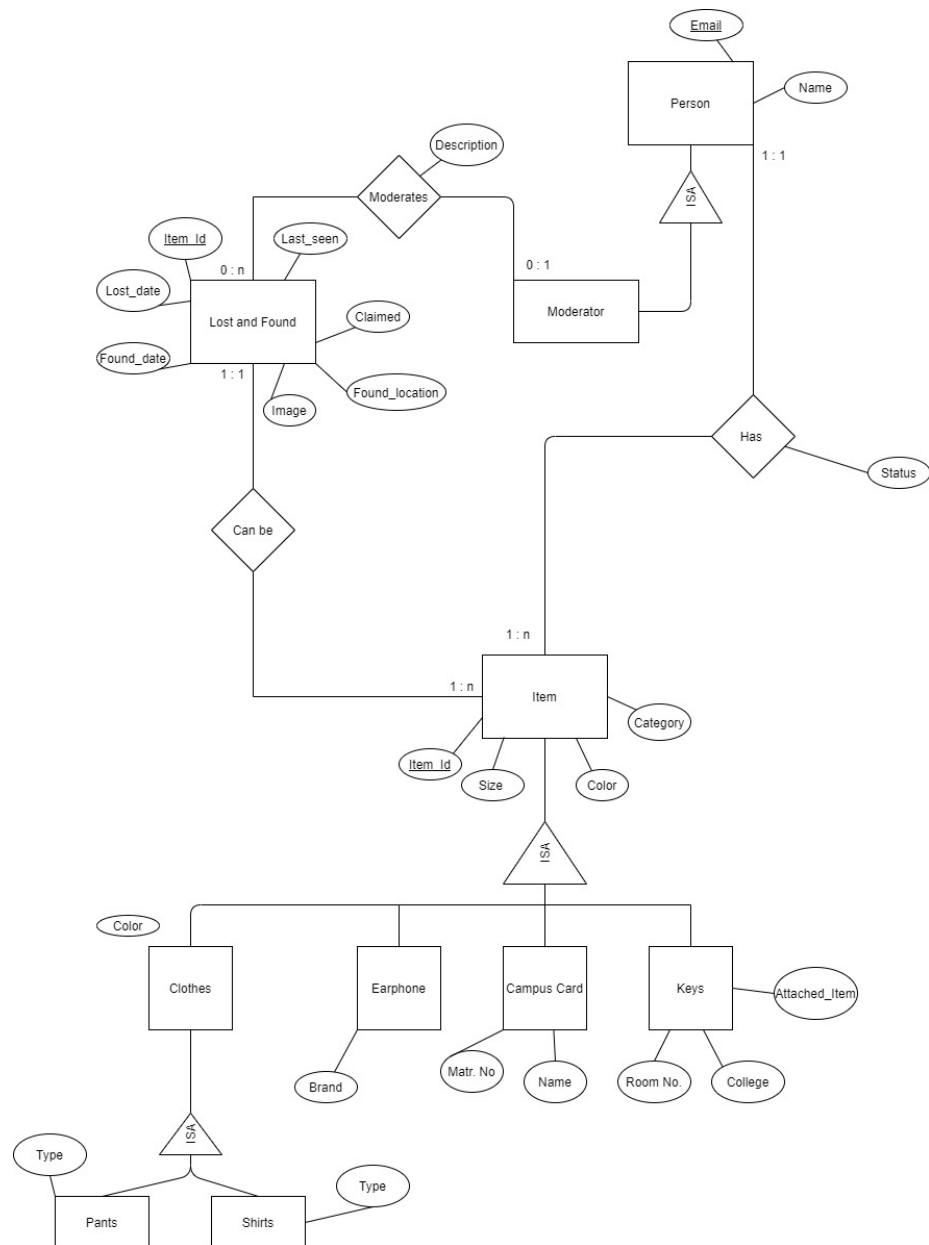
September 2020

1 Functionality

The web service described below with the related diagrams aims to aid its user to find their lost articles. The user can post the details of his/her lost entity which can be seen by the other users. The description of the details depends on the article itself. Hence, its features are to be entered by the owner. For example, if a user enters smartphone as a lost article then the features that the user might have to enter might be its brand, color and the model of the phone.

If one finds the lost article, then the person can simply go to that item, fill the details about where the item was found and post a simple picture of that image. If the person does this, then an email will be sent to the owner automatically. The web service particularly aims to help the university students to find their lost items. Therefore, only a registered personnel with valid email id will be able to access the web service. This will avoid random false spams that will disturb the students.

2 ER Diagram

Email

Person

Name

Description

1 : 1

Moderates

Item_Id

Last_seen

0 : n

ISA

Lost_date

0 : 1

Lost and Found

Claimed

Moderator

Found_date

1 : 1

Found_location

Image

Has

Status

Can be

1 : n

1 : n

Item

Category

Item_Id

Size

Color

ISA

Color

Clothes

Earphone

Campus Card

Keys

Attached_Item

Brand

Matr. No

Name

Room No.

College

ISA

Type

Pants

Shirts

Type

3 User interaction

- User can post items that s/he lost.

- User can specify the features of the lost item such as : color, dimensions, category, etc.

- User can report items that he/she finds.

- The user who has lost an item will be notified if someone has found his/ her lost item.

- The user who reports a found item must include a picture and the location where he/ she found it.

- The user must fill all the fields that are required.