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# List of Abbreviations

DCMMS: Dormitory Cleaning Materials Management System

# 1. INTRODUCTION

A dormitory cleaning material management system is a system that is going to ease how patrons/matrons/students manage the dormitory cleaning material.

# 2. Database Design

## 2.1 Entity relationship diagram

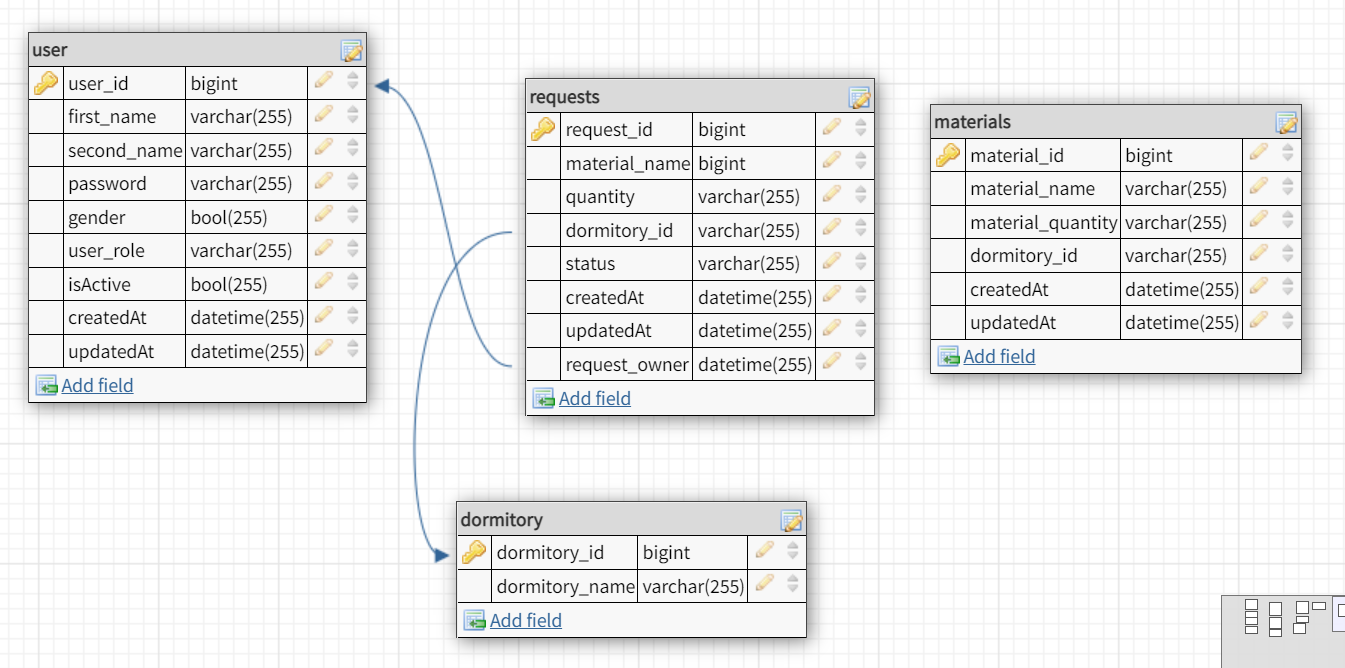


Figure : Entity relationship diagram

## 2.2 Data dictionary

Table : Data dictionary

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | Entity name | Field name | Data type | Length | Constraintns | Description |
| 1 | user | id | big integer | 10 | Primary key | User’s identifier |
| username | varchar | 255 | * Unique * Not null | User’s account |
| password | varchar | 255 | Not null | User’s password |
| email | varchar | 255 | Null | User’s email |
| first\_name | varchar | 255 | Not null | First name |
| last\_name | varchar | 255 | Not null | Last name |
| phone\_number | varchar | 255 | Not null | User’s phone number |
| 2 | Dormitory | dormitory\_id | big integer | 10 | Primary key | Dormitory’s identifier |
|  | dormitory\_name | varchar | 255 | * Not null * unique | Dormitory name identifier |
| 3 | material | material\_id | big integer | 10 | Primary key | Material identifier |
| material\_name | varchar | 255 | * Not nul * required | Material name identifier |
| material\_quantity | integer | 10 | * Not null * required | Material quantity identifier |
| dormitory\_name | varchar | 255 | * Not null * Required * Foreign key | Dormitory name identifier |
| 4 | requests | request\_id | Big integer | 10 | * Primary key | Request identifier |
| material\_name | varchar | 255 | * Not null * required | Material name identifier |
| quantity | Integer | 10 | * Not null * required | Quantity of material identifier |
| dormitory\_name | varchar | 255 | * Not null * required | Dormitory name identifier |
| status | varchar | 10 | * Not null * required | Status of the request identifier |
|  |  |  |  |  |  |  |

# 3. Interface design

This is the sample of some pages in DCMMS but the rest of the pages can be found here:

[DCMMS – Figma](https://www.figma.com/file/Rek8hKee3KJvBBmxdnyPJT/DCMMS)

## 3.1 Login Page

The page that every user will log in through

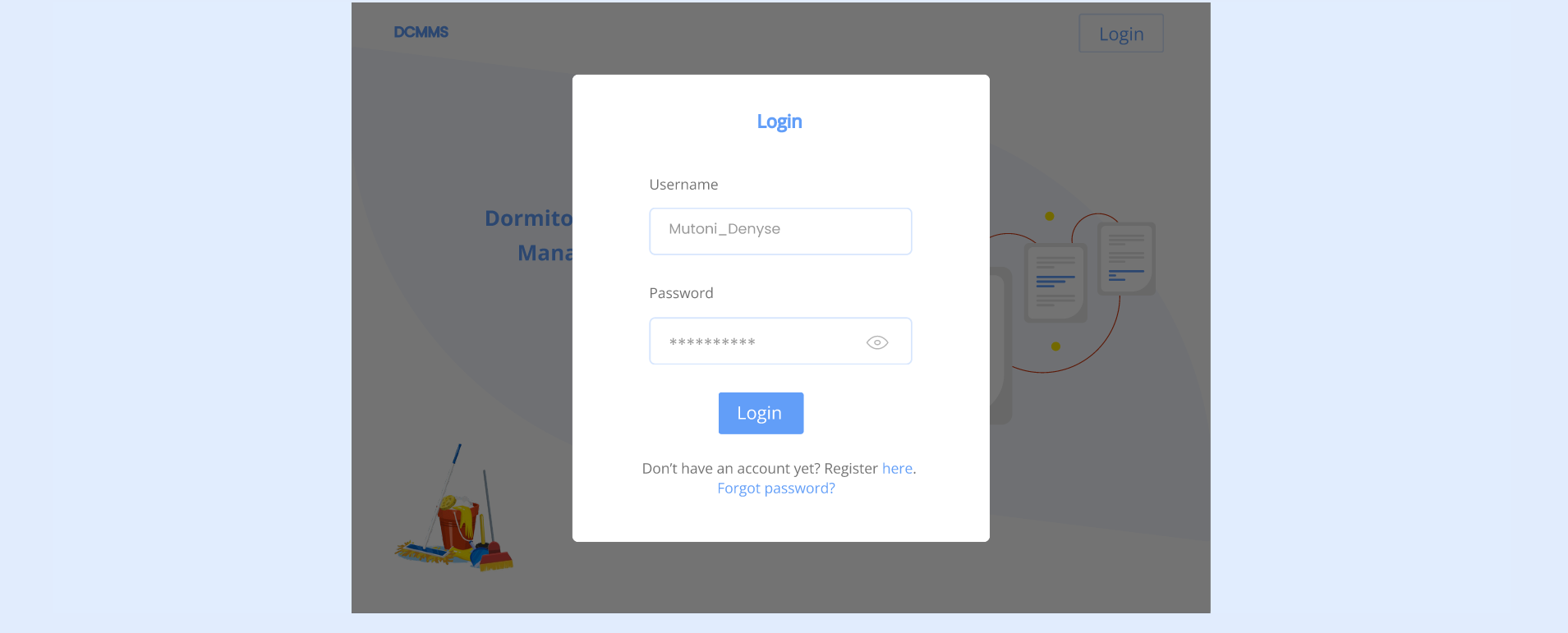


Figure : Login page

## 3.2 Dashboard page

A dashboard page that shows all the tools/materials and the logged in user can filter according to what she or he wants.

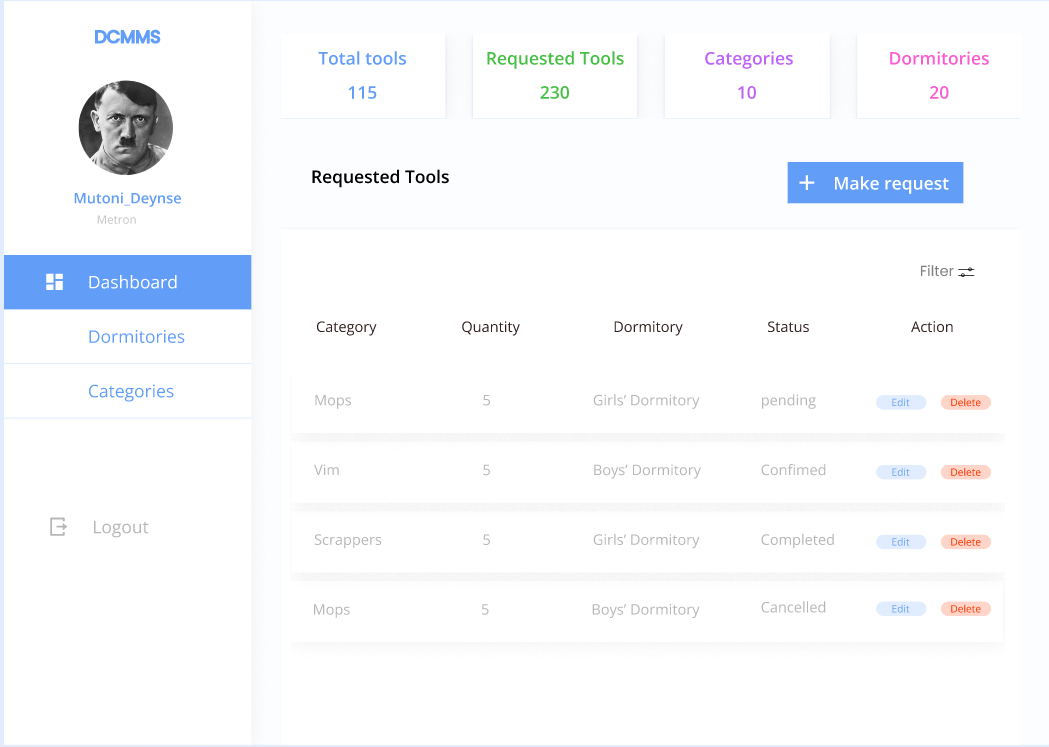


Figure : Dashboard page

## 3.3 Dormitories page

The page that shows dormitories according to and materials per dormitory.

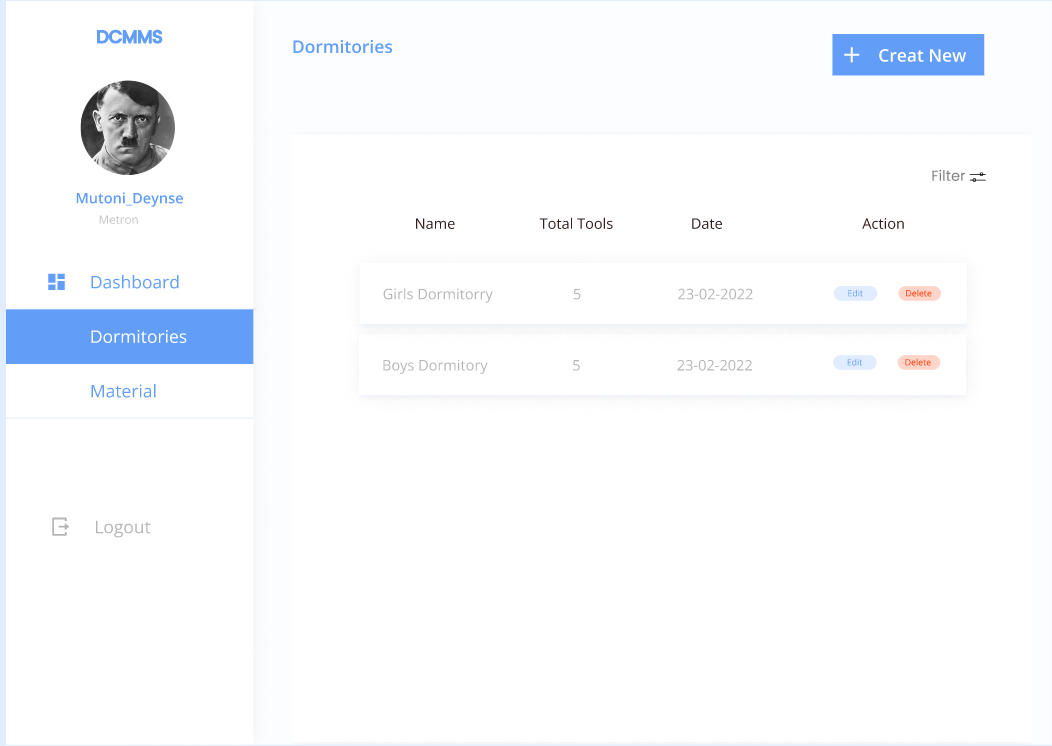


Figure : Dormitories page