



Dormitory Cleaning Materials Management System

SDD

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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

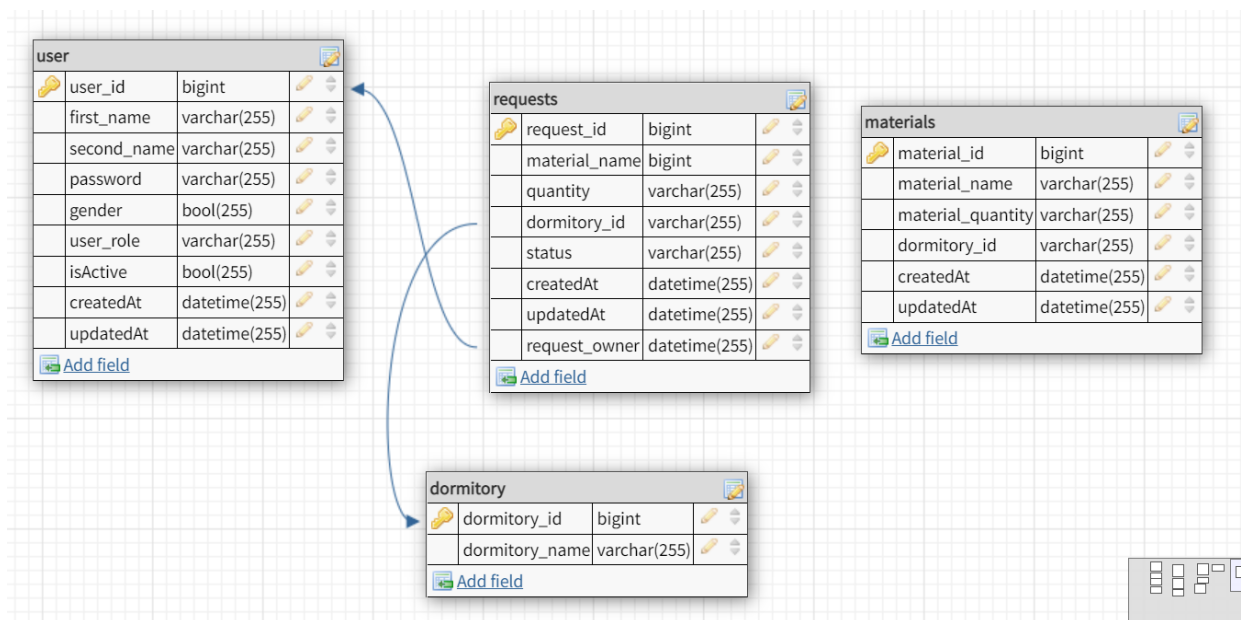


Figure 1: Entity relationship diagram

2.2 Data dictionary

Table 1: Data dictionary

#	Entity name	Field name	Data type	Length	Constraints	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 null	Material name identifier

					- required	
		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

					ed	
		dormitory_name	varchar	255	<ul style="list-style-type: none"> - Not null - required 	Dormitory name identifier
		status	varchar	10	<ul style="list-style-type: none"> - 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](#)

3.1 Login Page

The page that every user will log in through

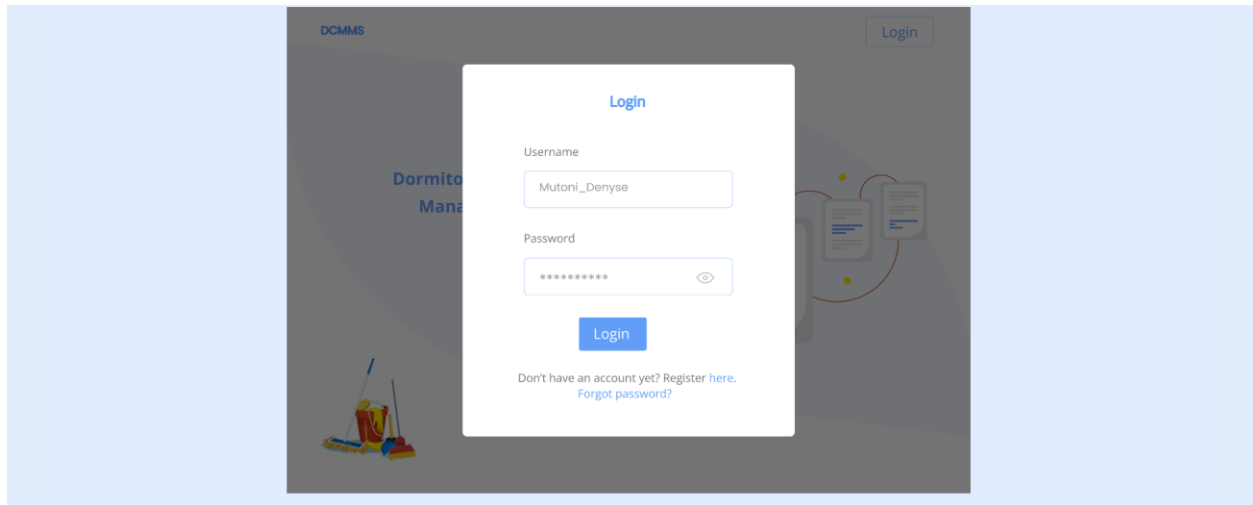


Figure 2: Login page

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.

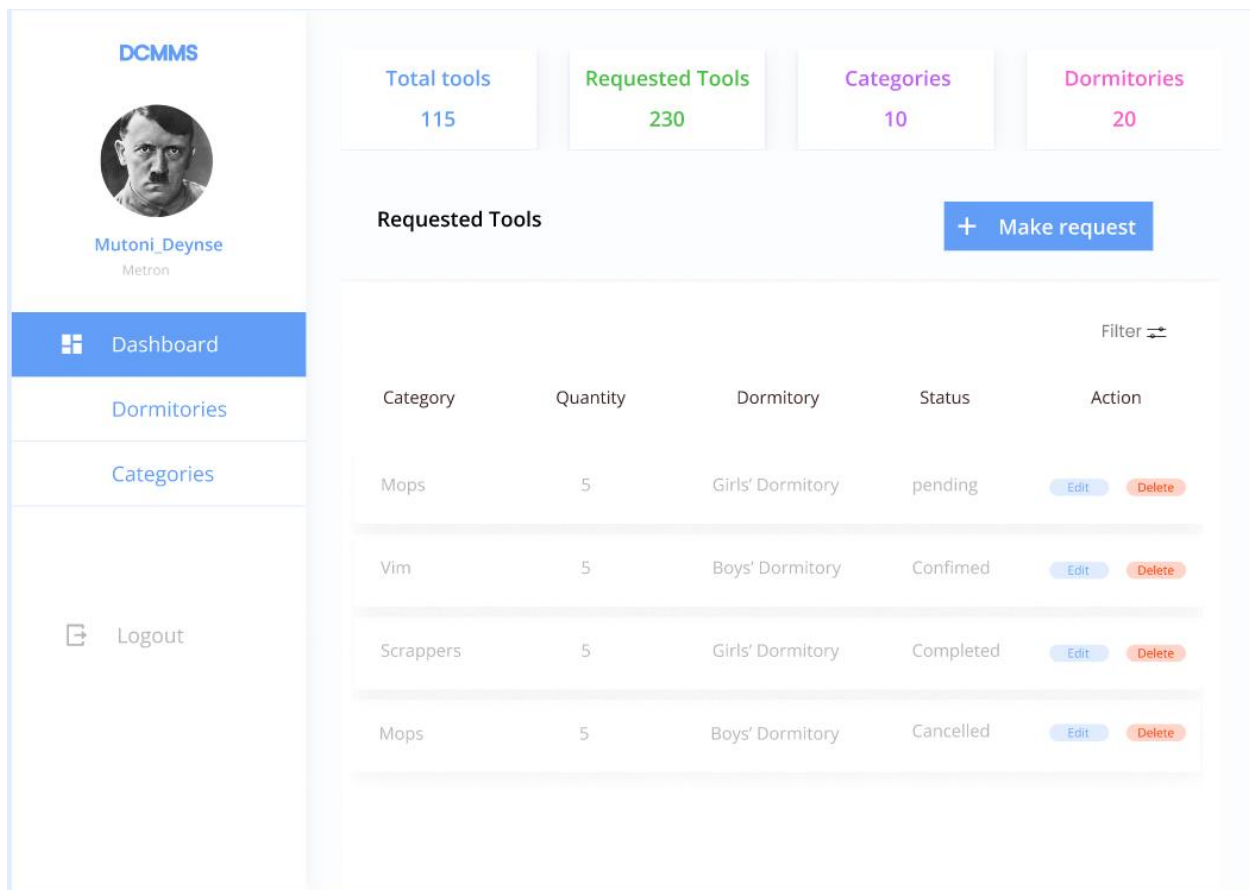



Figure 3: Dashboard page

3.3 Dormitories page

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

DCMMS



Mutoni_Deynse
Metron

Dashboard

Dormitories

Material

Logout

Dormitories

+ Creat New

Filter

Name	Total Tools	Date	Action
Girls Dormitorry	5	23-02-2022	<div>Edit</div> <div>Delete</div>
Boys Dormitory	5	23-02-2022	<div>Edit</div> <div>Delete</div>

Figure 4: Dormitories page