Establishments Building Management System EBMS

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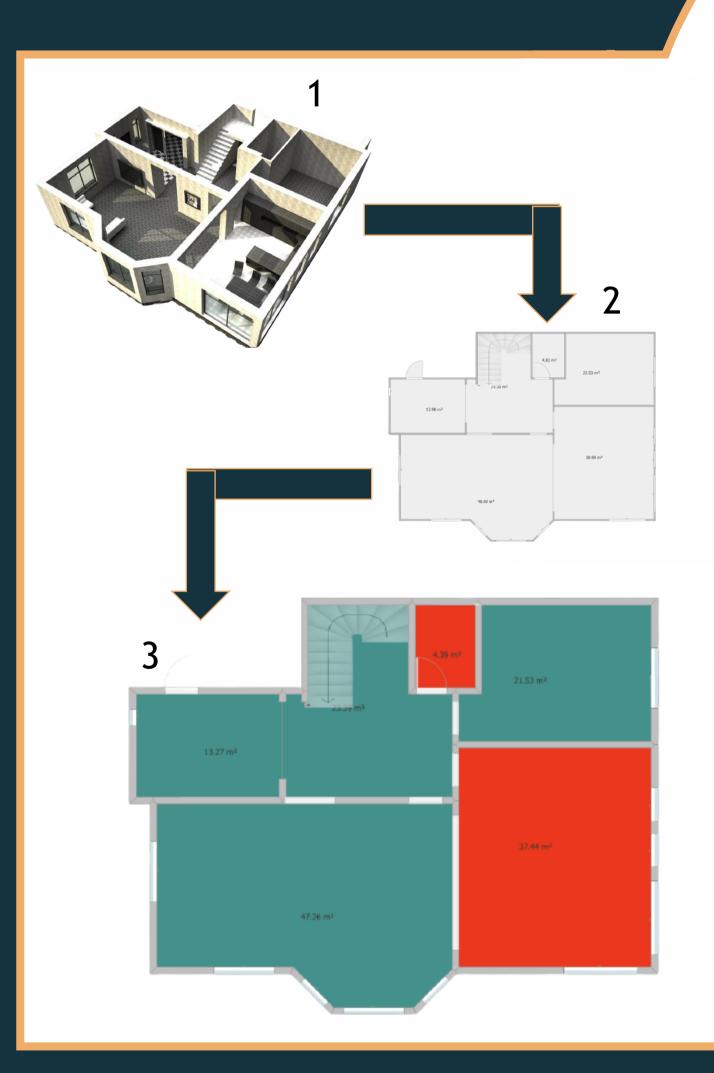
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Abstract:

Establishments building management system (EBMS), It is a system that works to solve technical faults in the buildings of the institutions that would disrupt the working mechanism of the employees and the organization through an interactive map that changes colors according to the situation, monitors the building and displays its general condition, and the supervisor can monitor maintenance contracts and also allows the technician to see the faults and respond to them through the interactive map, with the QR feature that allows users to easily and directly access the Room to be reported.

Project Objectives:
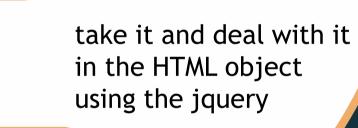
1. Save time between technician and management in solving the problem
2. Not wasting time describing the problem to the technician
3. The manager can see comprehensive stats with ease
4. Low subscription price to benefit small businesses
5. Easy access to the problem for the technician

Proposed System

Create an Interactive Map :

Determine the coordinates

Determine map coordinates from croquis using Inkscape and convert it to SVG format

Processing

take it and deal with it in the HTML object using the jquery

Interactive Map

Project Purpose:

This system allows the administrator to have a comprehensive look at the condition of the building in general, so that he can see the problems received from the employees from the system and see the technician's response to them. The dashboard page also allows him to view statistics on problems and solutions related to tracking the report, how to deal with it, and monitoring the validity dates of maintenance contracts and contact numbers for the contracting company. He can also see a map of his organization and know the status of each room.

Discussion & Results

We focus heavily on facilitating communication between the manager and the technician to solve the company's problems faster, save time, and not impede the mechanism of work of employees.
this system will allow companies to:

1. Add a new ticket using the map
2. Adding a solution to the ticket by the technician
3. Agreeing to close the ticket by the manager
4. Add a new contract
5. Delete a contract
6. Monitor statistics

Development Tools:

laravel   jQuery write less, do more.   MySQL   Inkscape

Conclusion:

The EBMS system provided the experience of raising the fault reports, and the ease of follow-up by the manager in addition to the assistance of a maintenance technician to easily reach the place of the problem faster to save time and not hinder the mechanism of work of employees.

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E – copy :

Reference :

https://2u.pw/XJG4R
https://www.flaticon.com
https://www.remove.bg/upload
https://www.roomsketcher.com/