Introduction

Despite being frequently packed with staff, students, residents, and employees, commercial and industrial residential buildings like hotels, dormitories, and corporate offices rarely have a structured plan for dealing with common building issues, maintenance requests, ITS problems, and more. With colleges accepting more students, hotels getting larger and larger, and offices hiring more employees, a new approach to industrial building oversight must be developed to cut through miscommunication and enhance efficiency. For that, we have BuildingManager.

What is BuildingManager

BuildingManager is a top-down repair scheduling and building administration app designed to speed up building repairs, organize various staff members and employees in industrial/high density buildings, and minimize wasted time due to scheduling errors and miscommunications in maintenance operations. BuildingManager is an interactive application that can be used by employers, residents, and employees alike to request and track maintenance tickets, identify technology or building issues, and much, much more. BuildingManager does this through a complicated web of "scores", essentially dozens of preset tiers that are then ranked and compiled based on data received from the user. After processing the most recent user data, BuildingManager creates its "tasklist"; a collated set of maintenace tickets, filtered by urgency, importance, ease of fixing, and more.

Despite being geared for utility and efficiency, the team behind BuildingManager is aware of the constant stress facilities workers are under to deliver quickly and perfectly. For that reason, BuildingManager will implement numerous provisions in the name of preventing overwork, exhaustion, or injury. These features include but are not limited to:

- personal employee profiles detailing injuries/weaknesses
- Mandated break times between filling out tickets when the same employee is working nonstop

Who does BuildingManager work for?

BuildingManager's design is modeled after Syracuse University's maintenance request system, allowing it to work on nearly all college campuses across the United States (and even some international institutions). However, BuildingManager's flexible design and ease of use make it a practical choice for hotels, corporate offices, industrial warehouses, apartment buildings, shopping malls, and more.

Why BuildingManager

If history has taught the makers of BuildingManager anything, it is that most failures are preventable if caught early enough. In the case of tragic accidents like the Grenfell Tower Fire and the Surfside Condominium Collapse, overlooked building repairs and slow communication with residents saw valuable, life-saving time go wasted as rescuers struggled to help and locate panicked victims. Both scenarios, notable for their high casualty counts and easily preventable mistakes, highlight the true challenge of overseeing large industrial buildings and guaranteeing individual safety en masse. Through BuildingManager's generated schedule, urgent mistakes can be brought to light and repaired faster, reducing the likelihood of such tragic disasters from recurring. Whether it is structural building failures, connection issues with Wi-Fi, or even stolen printers; effective communication and organizational mechanisms can be the silver bullet in preventing larger, down the line, catastrophes.

How will BuildingManager grow?

Designed for commercial and corporate use, BuildingManager will primarily be sold to industrial, residential, and private clients. Through presentations at expos and conventions, and direct liaising with clients, BuildingManager will be able to build a steady customer base and develop alongside client feedback. In addition, direct ad sales will be taken out through social media, corporate commerce sites, and conventions, including but not limited to:

- Twitter
- Instagram
- Facebook
- Alibaba
- Amazon
- Govdeals
- SmartCon
- TechConnect
- Business of Software Conference

Room for expansion & technological applications

BuildingManager currently enjoys little to no Machine Learning Algorithms; a method which will allow the product to better organize employees and make efficiency suggestions based on past user experiences and data. Machine Learning Algorithms will also have the added advantage of growing

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alongside each specific user as prolonged use will result in better ticket management and optimal employee assignment.