

OVERVIEW

The purpose of this project was to develop a web-based application to manage daily activities of health care facilities. This involves handling data for each patient, doctor, and their corresponding appointments.

What makes this application unique is that it will also capture and manifest an employee's performance in the medical environment.

The objectives of the project included:

- Preservation of important data in different types of medical facilities
- Ways to measure an employee's performance in a medical environment
- Documentation of patient health decline/improvements and employee mistakes



MDstat

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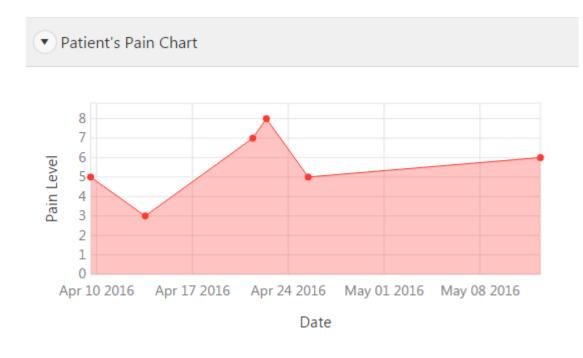
HOW IT WORKS

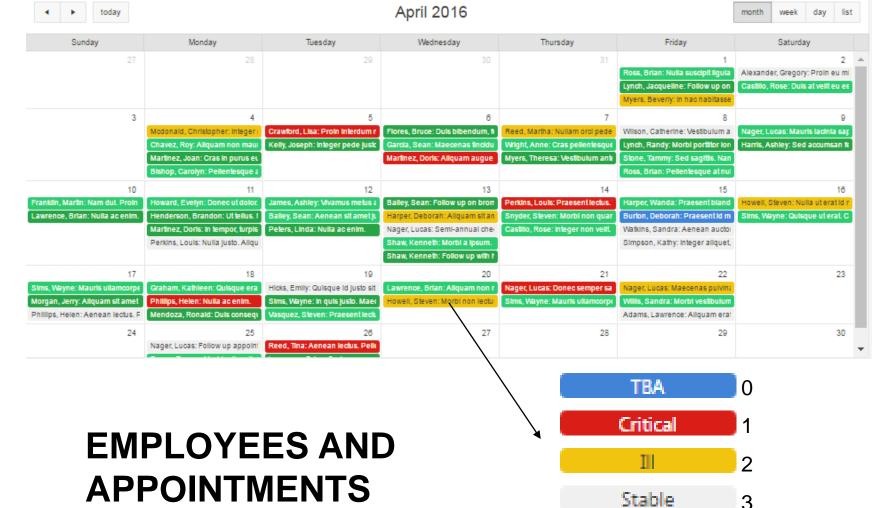
Generally, when new patients visit their doctor, they are required to fill out forms requesting personal information about themselves, a prime example of which would be their medical history.

MDstat logs each patient's information, their last visit, health conditions, doctor(s), treatments, ailments, diagnoses, and past/upcoming appointments.

PATIENT HEALTH

All patients will have their individual appointments, ailments and diagnoses documented. Each patient record will be readily accessible and will show the patient's improvement or decline in health; especially important for frequent patients that may have multiple conditions.





Recovering

Healthy

For each appointment a doctor will take note of their patient's condition both upon arrival and release. These conditions are represented numerically (0-5) in order to measure how well employees are doing, and more importantly to see if their patients are improving or declining in health. If a mistake is made in the treatment or diagnosis, it can be properly documented in the

 An employee form will display charts and data (far right) showing their overall work and performance.

appointment form.



MEASURING PERFORMANCE

Calculated by averaging the difference between final and intake status of an employee's *completed* and assigned appointments.

Work	Count
Total Completed Appointments	11
Scheduled Appointments	C
Tenure	324
Performance Average	.64

★ The average or result returned tells us how likely a patient's condition is to improve under the care of that specific doctor.

