



# Customized Interactive Web Application Case Study

Customized Interactive  
Web Application for a  
Leading Health Clinic

# 01

## Customized Interactive Web App

### Application for Leading Health Clinic

A certified Sleep Apnea Wellness Center based in Florida, approached SolGenie seeking improvements for their operation processes that included various steps from fixing appointments with doctors to consolidating patient test details. Once the patients are registered, the clinic does a survey to assess the nature of a patient's wellness program, payment methods and such. The digital scores from the survey are then uploaded to a tablet or to a portal on a computer at the clinic. The application issues e-Scripts from this portal permitting patients to use the Sleep Test Device if necessary based on these results. They were prepared to rent expensive Sleep Test Devices to patients suffering from Obstructive Sleep Apnea. But implementing the idea based on patient test results proved to be too challenging. The measures they had undertaken for smoother operations weren't successful enough, and in turn resulted in increased expenses and loss of time for both doctors and patients alike.



*Improved Operational  
efficiency by more than 56%*

## 02 Our Solution

The leading Health Center approached SolGenie Technologies to help improve their customer relationships and operations cost-effectively. Our team was then tasked with analyzing the clinic's business operations and customer relationship statistics to determine an optimal solution that reduces overall expenses and improve operational efficiency. Primary research made it clear that an interactive Web application will effectively regulate most of the processes involved. Further research indicated the necessity of establishing links between hospitals and doctors for references with patients. Keeping these factors in mind, our team developed an interactive Web Application using V-Tiger Open Source CRM for managing the data. This application made it easier to fix appointments and access necessary data including patient results and doctors' notes. With the CRM back-end, the application manages the patient data and forwards them to doctors in the clinic, after a short survey.

Doctors can determine whether further tests are required. For cost-effective testing, unlike Polysomnogram, patients can pay through the web application to use Home Sleep Test Devices provided by the clinic on doctors' orders. Once the devices are returned by patients after 2 days of prescribed use, the data from each device will be uploaded to the application through CRM. The data including respiratory rate, blood oxygenation etc. are then forwarded to concerned doctors through the application. This data are then stored and kept for further analysis, with the application enabling easy access to them whenever required. Further treatment measures can then be determined. The application can also generate a statistical analysis report based on Patient ID with the data. Assessment of these data can be useful in helping people suffering from Obstructive Sleep Apnea.

## 03 Technology



### 04 Business Benefits

Database interconnectivity and easier data access

Regulated information transactions

The Center now manages multiple patient profiles and analyses with full customer satisfaction

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*Reduced operational time  
consumption by 30%*

# INTERACTIVE WEB APPLICATION

## Case Study



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