



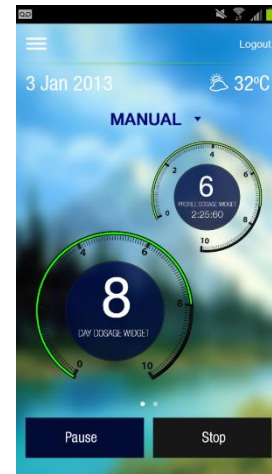
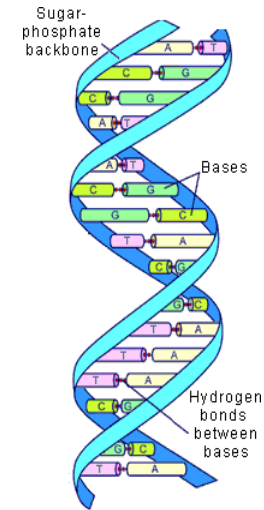
YOUR QUALITY PARTNER FOR SOFTWARE SOLUTIONS



Sample Healthcare Applications

Sample Projects

- Clinic & e-Health Solutions
- Health Records Management
- Online Paramedical Check
- Human GNOME Sequencing & Analysis
- Lung Checking
- Phone Monitoring & Management
- Light Therapy Device Control



Clinic & e-Health Solutions

➤ Product Features

- Healthcare collaboration and practice business
- Health Insurance Claim
- Clinical Decision Support
- E-health/Medical Records
- Prescriptions and Referrals
- Appointments
- Billing
- Accounting

➤ Technologies

- iRise for Business Analysis and prototype
- ASP.NET MVC3
- SAP Crystal Report 2008
- Flot
- Appian BPM Suite

Health Records Management

➤ **Product**

A unique combination of software and services, interacts with patients to make health management easier and more enjoyable.

- Patients can enter their data or it can be entered automatically when they engage with their provider.
- Health app or e-book is downloaded to their phone, tablet, or computer.
- Provide the user many tips about health management and health care.
- Remind the user the schedule to take medication or attend appointment.

➤ **Mobile native apps**

- ✓ Give the user overview of daily activities
- ✓ Create schedule for taking medication
- ✓ Create schedule for appointment
- ✓ Remind the user to take medication or attend appointment
- ✓ Provide the user many rewards.
- ✓ Make personal alert
- ✓ Record history of the user activities
- ✓ Show schedule base on date

➤ **Portal**

- ✓ Manage institutions
- ✓ Manage departments
- ✓ Manage patients
- ✓ Manage HCP
- ✓ Manage the user schedules

Online Paramedical Check

- **Project Description:** develop an online Paramedical Check system with the following features to provide medical checks for insurance companies
 - Medical Check Order Management
 - Service Provider management
 - Agent/Agency/Ordering Party Management
 - Employee management
 - Lab/Kit Management
 - Inventory
 - Notification and Reminder
 - Accounting (Invoice, Account Payable, Account Receivable)
- **Technologies**
 - ASP.NET/C#, JQuery
 - SQL Server
 - Microsoft Enterprise Library, LinQ
 - StimulReport
 - ACORD standard, QuickBook integration

Human GENOME Sequencing & Analysis

➤ Product Features

- DNA alignment and analysis
- Exome, RNA Alignment
- Variant callings

➤ Technologies

- Platform
 - OS: Cent OS
 - Kintex 7, Spartan 6
 - Diniboard, Xilinx Vivado
- Chip design: FPGA, VHDL, Verilog
- Language: C, C++, shell script

Lung Checking

❖ **Product:** application for checking lung with the following features

- Establishing Bluetooth (BT) connectivity to the device - discovery mode, pairing
- Capturing the BT audio signal send over the BT protocol for analysis and processing (Band pass filter)
- Analysis of the signal waveform energy
- Decision block of valid vs. non-valid breath/blow and GUI and animation base on sound data analysis

❖ **Technologies**

- .Net (C#)
- Microsoft XNA frameworks

Phone Monitoring & Management

❖ **Product:** A web-based platform to monitor and manage special phones used by elderly or sick people to get help when needed

- Install and administer the phones
- Automatically check the status of any phones minute by minute in real time
- Easily access this information and obtain detailed statistics and reports
- Re-program the phone as needed

❖ Technologies

- .Net (C#), ASP.NET MVC 4.0
- Message Queuing: Microsoft MSMQ
- Front-End: HTML5/CSS3
- Third-party SIP Library: Unity SIP .NET SDK

Light Therapy Device Control

❖ **Product:** Mobile application to control and configure a light therapy device over Bluetooth

- Turn on/off or pause the LEDs
- LED settings (color, intensity, duration) via profiles
- Calculate and show dosage
- Track and display historical data

❖ **Technologies**

- Bluetooth LE
- Android SDK



THANK YOU !

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