E-MED VALUE

APP DEVELOPED FOR APPLE PLATFORM

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FrontierX Technology LLC

COMPREHEND, TRACK AND IMPROVE PERSONAL HEALTH

Goals:

1. Improved health outcomes
2. Better healthcare quality
3. Lower health-related costs

Recording:

1. Monitored Vitals

Cardio
Kidney
Diabetes
Liver

2. In-App Key Contacts

Patient
Pharmacy
Lab
Doctors
Insurance

3. Medical History

Conditions
Allergies
Immunization
Devices

4. Medications

All-in-One Personal Healthcare

Providing:

1. Patient-centered health knowledge and recommendations in a digitized and portable format

Caregiver Locator
Generic Medications
Online Medical Resources

2. Patient - Caregiver Streamlined Communications

Appointments (Pre and Post)
Prescription Refills
Text/Audio/Video Messaging

3. Interface to EHR System

Bracelet to Project Your Phone Screen Onto Your Arm

HEALTHCARE

- Is the biggest issue in everyone's life.
- IMPORTANT: In recent decades, the life style has changed. For the start, less daily physical activities. Hence, it is noticed that people in their 30s, 40s & 50s die by hundreds of thousands suddenly, NOT through a lengthy sickness. Observation of Healthcare becomes the "key" issue in everyone's life. E-Med Value becomes part of the solution.
- Is not a destination; it is a knowledge-base journey enhanced by valued health data to connect with the health providers.

E-Med Value in knowledge-base healthcare platform
inspiring to live longer, healthier & happier

E-MED VALUE DESCRIPTION

- Is an easy to navigate heath-data-base, MUST item for every individual to maintain from infancy to late retirement.
- Will not give the solution to the health issues. It gives an accurate data to make proper decisions.
- Will provide quality of heath features for life with cost less than two cups of coffee that is up-dated automatically for future features free of charge.
- Has personal data security that is in compliance with the US Federal regulations of HIPAA in sink with other personal health data available.

ABSTRACT

E-Med Value makes access to vital personal health information accessible and convenient to manage and maintain good health condition. **E-Med Value** is new technology. It is not an updated decade old technologies in healthcare that ultimately has limitations. Hence, better outcome for hospitals, doctors, pharmacies, health plans and millions of lives by modernizing infrastructure, advancing care and empowering consumers.

WHAT IS E-MED VALUE?

- "E-Med Value" formats health data into digitized, personalized, portable knowledge that integrates the recipient's health conditions with care giver records for greater efficiency and easy use. Knowledge will contribute to improved health outcomes, improved health care quality, and lower health-related costs.
- Addressing diabetes, the cardiovascular system, kidney and liver functions, this patient-assisted App for the Apple platform targets up to 80% of conditions that are mostly dependent on lab test data for diagnosis.
- The test results are traced and analyzed to provide personalized and dynamic medical knowledge. This comprehensive medical information, including diet and medication, will trigger a paradigm shift in doctor-patient communication where patients are involved in their health decision-making process.
- E-Med Value facilitates digitized health information sharing between individuals and providers, enabling continuous learning and improved quality of health care.

DEFINITION OF INPUT

E-Med Value is designed to obtain the following information from the users to provide its patient-centered services:

- Profile: includes general and emergency data
- Medical history: consists of allergies, drug reactions, and critical records like surgeries
- Monitoring parameters: such as results of blood and urine tests that are recorded over time (e.g. glucose, A1c and cholesterol)
- Medications: current medications being taken by user
- In addition, the App will receive the data from other health App's and medical devices that comply with Apple HealthKit Frameworks

VALUE-ADDED INTEGRATED OUTPUT

Aiming to involve the patients in their health care, E-Med Value provides the following services:

- Documented personal health information
- Analysis and monitoring health parameters to indicate risks
- Delivering tailored, medical facts about the parameters that are out of normal range
- Introducing up-to-date medications and their side-effects, identifying potential risks based on approved references. The medications will be sorted according to compliance with the patient's medical history
- Suggesting tailored diets to improve the user's life style, for a longer and healthier life
- Referencing low-cost generic medications that are FDA approved with equivalents' brand-name.

ENHANCED MEDICAL COMMUNICATION

Intending to facilitate the patients interaction with their care givers, E-Med Value provides the following services:

- Enhancing patient-physician communications through a recordable, secure messaging to share the obtained personalized health knowledge and lab results, to manage appointments and share
- Individual's personalized health knowledge enables a person to make better treatment decisions and health-impacting decisions outside of the care delivery system.
- Improving the interaction with registered drug stores or chains to manage prescription online including medication refills regardless of time or location.
- The application has the capability to integrate with Electronic Health Recording (EHR) and Insurance systems.

STREAMLINING PATIENTS-DOCTOR COMMUNICATION WITH HIPAA-COMPLIANCE

- Encrypted database accessible with patient permission
- Secure messaging (communication) between doctor & patient
- Appointment schedule requests
- Convenient sharing lab results with patient to be reviewed
- Voice and/or transcribed information and/or instructions between doctor and patient

OVERALL FEATURES

Concept

1. Supporting patient-centered services
2. Providing personalize health knowledge related to medical lab results
   - Explanatory medical facts for analyzed parameters
   - Diet and medication info for determined risks
3. Sharing the tailored knowledge to care givers
4. Facilitate managing medications

Format

1. Embedded and dynamic facts and information
2. User-based, personalized information interface
3. Benefiting from Apple HealthKit framework
4. Secure and simple communication with medical personnel
5. Integration with EHR system to share personalized health data
6. Customized interface design for health professionals

E-MED VALUE
CURRENT FEATURES
1 OF 2

- Users can optionally set single/dual password protection for access to the app, separate from any phone unlock password.
- On iPhone, users have the option to link to Apple Health app, enabling various health parameter data to be imported from Apple Health into E-Med Value.
- In various sections of the app, users can save and edit notes, useful for things such as writing additional information to discuss or remember for Dr. appointment that is not covered by data entry fields.
- Users are able to save personal data in the profile section including:
  - Name, photo, gender, birthdate, address phone, email, photo ID, emergency contacts, Dr. contact information, insurance contact info, hospital info, drug store info, test center info.
- In the medical history section users can save data on blood type, age/date of birth, height, vision exam, smoking data, gender, allergies, immunizations, medical record, medical devices used.
- In the monitoring health section user can record a large variety of health parameters and follow links to the knowledge section to learn more about each parameter. On the iPhone, many parameters have option of syncing Apple Health data into the app.

E-MED VALUE
CURRENT FEATURES
2 OF 2

- The Health Knowledge section gives details of each health parameter found in monitoring health section that include: description, alternative names, common units, reference normal ranges or parameter, sources. Also included in this section are multiple website resources about medication and healthcare including dailymed.nlm.nih.gov, medlineplus.gov, healthcare.gov, and painspot.com,
- The Good Things To Know section provides info on additional topics including: Arthritis, Cholesterol, Thallium Stress Test/IPV, and Diabetes.
- The Medications section allows optional connection with Reminders App, giving user ability to set medication reminders and save medication info such as: name of medication, dosage, start date, number of days, time of first dosage, number of doses per day,
- Communications section has two primary functions
  - Doctor's Appointments: User can connect with Calendar App and save Dr Contact information including name, phone, email, website, location. User can save appointments and optionally connect them to the Calendar App for schedule reminders.
  - Prescription Refills: User can save medication refill data and set reminders in Reminders App for refills when medication is getting low. Information user can save includes pharmacy contact info, medication name, prescription info, first refill date, number of refills, and refill period.

E-MED VALUE
FUTURE FEATURES
1 OF 2

- Option to allow 911 emergency services to receive user medical data
- Fingerprint and face unlock security options
- Syncing iPhone & iPad user data
- Siri Shortcuts to allow verbal shortcuts to frequently used sections/app features
- Search bar & navigation enhancements to increase user interface experience
- Syncing with apple watch
- Syncing Apple health hospital data
- IBM Watson
- When searching for pharmacy, will notify if the near pharmacy is available
- Will add support for some Bluetooth medical sensor syncing including pulse and blue-tooth weight scale. Blue-tooth weight scale. Blue-tooth weight scale. Blue-tooth weight scale.
- Calorie counting using barcode scanning

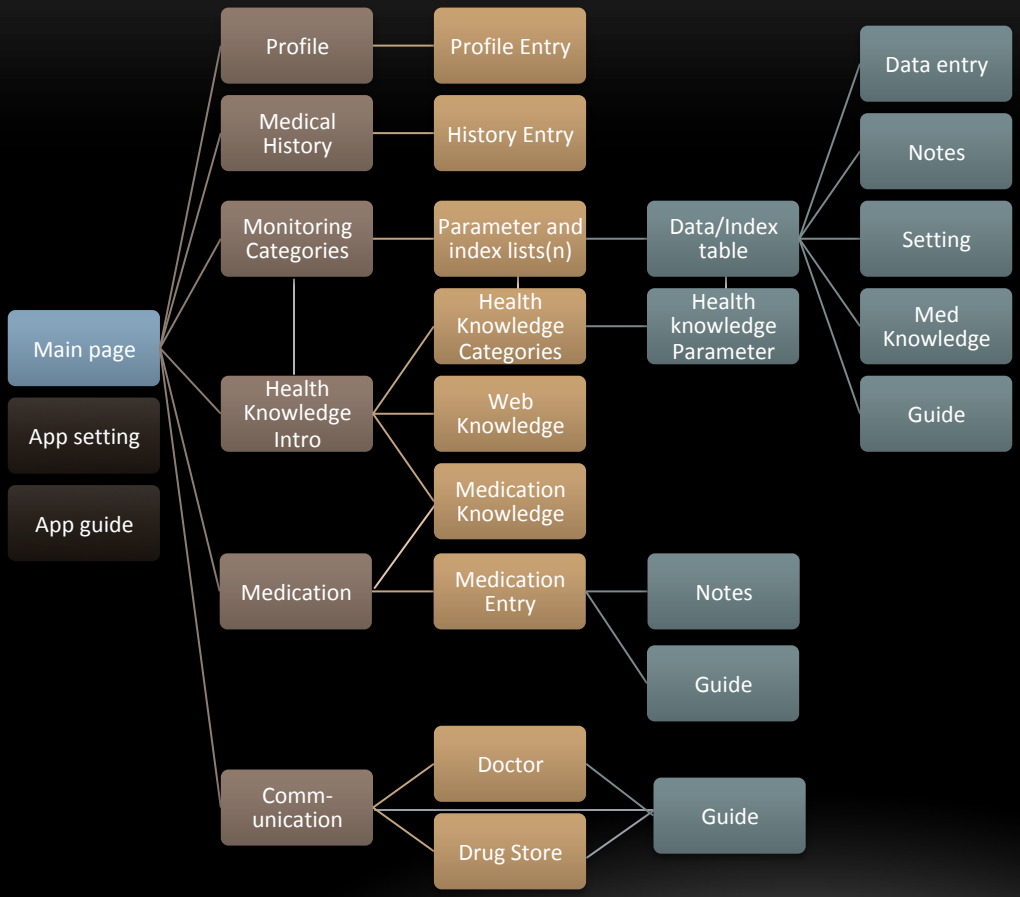
E-MED VALUE
FUTURE FEATURE
2 OF 2

- Additional website resources including Good RX & needymeds.org
- BP to Age chart
- BMI from Height & Weight chart
- Family history form
- Astigmatism, Lasik, Cataract fields
- Multiple Photo ID capability
- Improved ratio metrics for a better row sizing between different devices ratio metrics for better row sizing between different devices ratio metrics for better row sizing between different devices ratio metrics for better row sizing between different devices
- Bluetooth Bed Control

SUPERIOR KNOWLEDGE INTEGRATION APP FOR HEALTH

Feature	E-Med Value	Common Health APPs	General EHR system
Core content	Personalized health Knowledge	Personal health data	Electronic medical archive
Main user	Patient	Patient	Healthcare provider
Practice model	Patient-centered	Data-centered	Population-centered
Value-added feature	Dynamic health knowledge enhancement	Health data recording and graphical presentation	The care-provider's procedure facilitation
Impact on patients	Involving in their medical decision making with more treatment options	Monitoring health data	Facilitating appointment management and medical history
Impact on healthcare providers	Having a knowledgeable patient with personalized information	Having more patient data for decision making	Enhancing Appointment and medical procedure

GENERIC LAYOUT



SECURITY MEASURES

E-Med Value secures the user access and utilizes the frameworks and guidelines of the Apple for the security.

- The App on individual iPhone or iPad has Access Code/ Touch ID to see and edit information.
- HealthKit framework developed by Apple is implemented to manage the health information in the personal device.
- All data sharing with outside will go through Personal Email that the user has complete control on it.

INTEGRATION INTO APPLE PLATFORM

Contact Communications

User Inter-device Sharing

Doctor

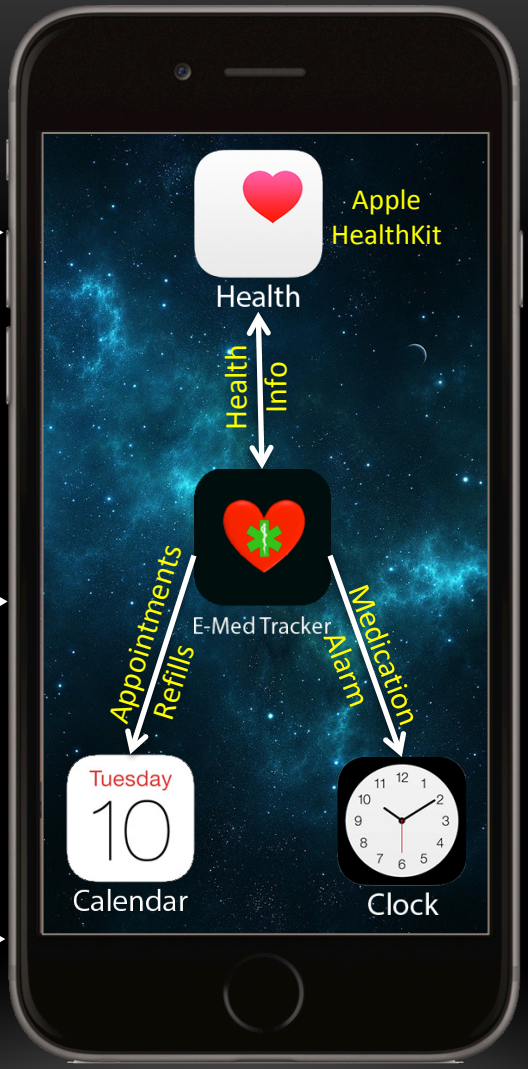
Appointments ,
Messages and Data

Pharmacy & Other
Medical Offices

Data &
Messages

Emergency
Contacts

Backup &
Messages



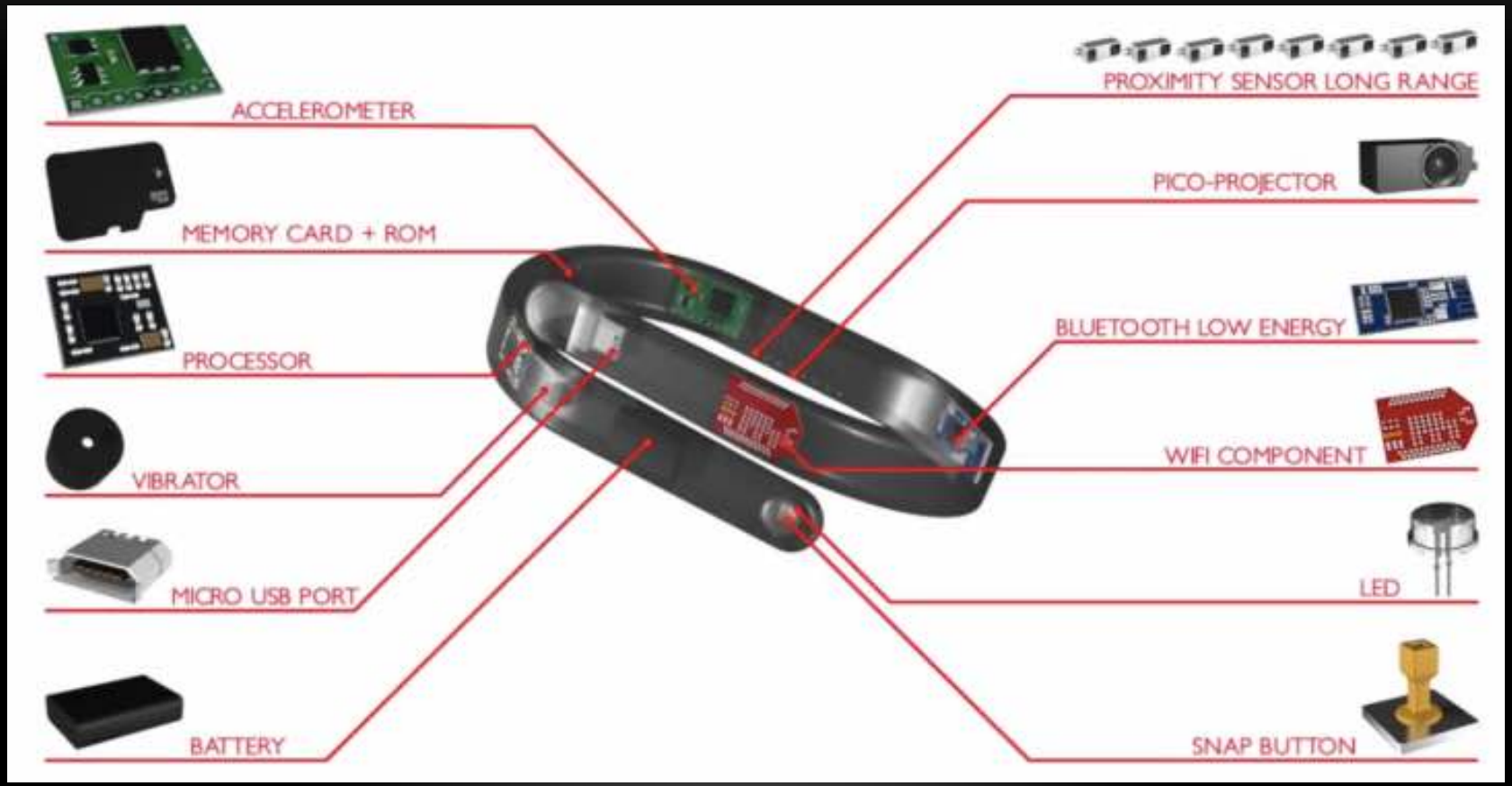
Alarm &
Notifications

Health Data

Apple Watch

Backup &
Editing Data

DESIGN OF THE ARM BRACELET



BRACELET TO PROJECT YOUR PHONE SCREEN ONTO YOUR ARM

COMMENTS ON FAQ

- The App is currently developing for Apple iOS platform. The Android version will be released later on.
- The monitoring parameters are selected to raise a red flag to the individuals about their health. Additional medical test data would be tracked by doctors for evaluation & medications.
- Fixed fee (below $7) per download and annual update fee (below $3) will be charged.
- The websites recommended in this App are in public domain (government approved), hence they are free of charge without restrictions.
- The doctor appointments and prescription refills are tools to facilitate medical communications and the initial data should be inputted by the users.
- There are fairly detailed data asked for each entry. However, there is a “Note” space in the entries if the user wants to log additional information.
- The App can receive data from medical information providers (e.g. doctor office or EHR systems). It would be saved in the entry forms and note space.
- The App has the alarm or notification option for Doctor Appointments, Medication Refills, taking Medications and take the test for Monitoring Parameters.

WHERE THERE IS A GOAL, THERE IS A WAY

E-MED VALUE

THANK YOU FOR YOUR KIND ATTENTION