UMR Cloud Network

Powered by SMART on FHIR

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Cerner

FHIR

The Inspiration behind UMR Cloud Network

Developing a platform is greater than developing an app

- anonymous

UMR Cloud Network

For End Users

- A Social Network
  - Organization Network
  - Patient Network

- A Smart on FHIR App Store
  - UMR app store

- Apps just work – no configuration
  - Fhir apps installed from the UMR App store pull in patient's data from Fhir servers automatically .

- UI Animations
  - Modern UX design

For Developers

- UMR Framework
  - UMR APP Framework
  - UMR UI Framework

- UMR APIs
  - UMR Health Card generator
  - UMR App Icon generator
  - UMR Utils
    - UMR Grid

- Create FHIR Apps
  - Easy Integration of FHIR apps
  - A patient object is made available for your app
  - Easy render method calls

Frameworks Leveraged for UMR Cloud Network

Used :

- Bootstrap
- jQuery
- Google Maps for web
- Animate
- Circle
- Chart js
- Viewport checker js
- Bounce js
- font awesome

Future scope :

- Velocity js
- Three js
- node js
- ionic framework
- Health kit

Cerner

For End Users

Lets see how UMR Cloud network adds value to

- Patients

Signup and login to patient profile

Patient's data and family members

Patient Details

Patient ID :	UMR12345
Name :	Peter James
Active :	true
Address :	534 Erewhon St PleasantVille Rainbow
Birthdate :	1974-12-25
Identifier :	
Managing organization	
Gender :	male
Resource Type :	Patient
Telecom :	(03) 5555 6473
Family :	Chalmers
Total family members :	5

Health

My Family : Chalmers

Jessica partner	Linda mother	Katie sister	Robert father	Daniel brother

Total members : 5

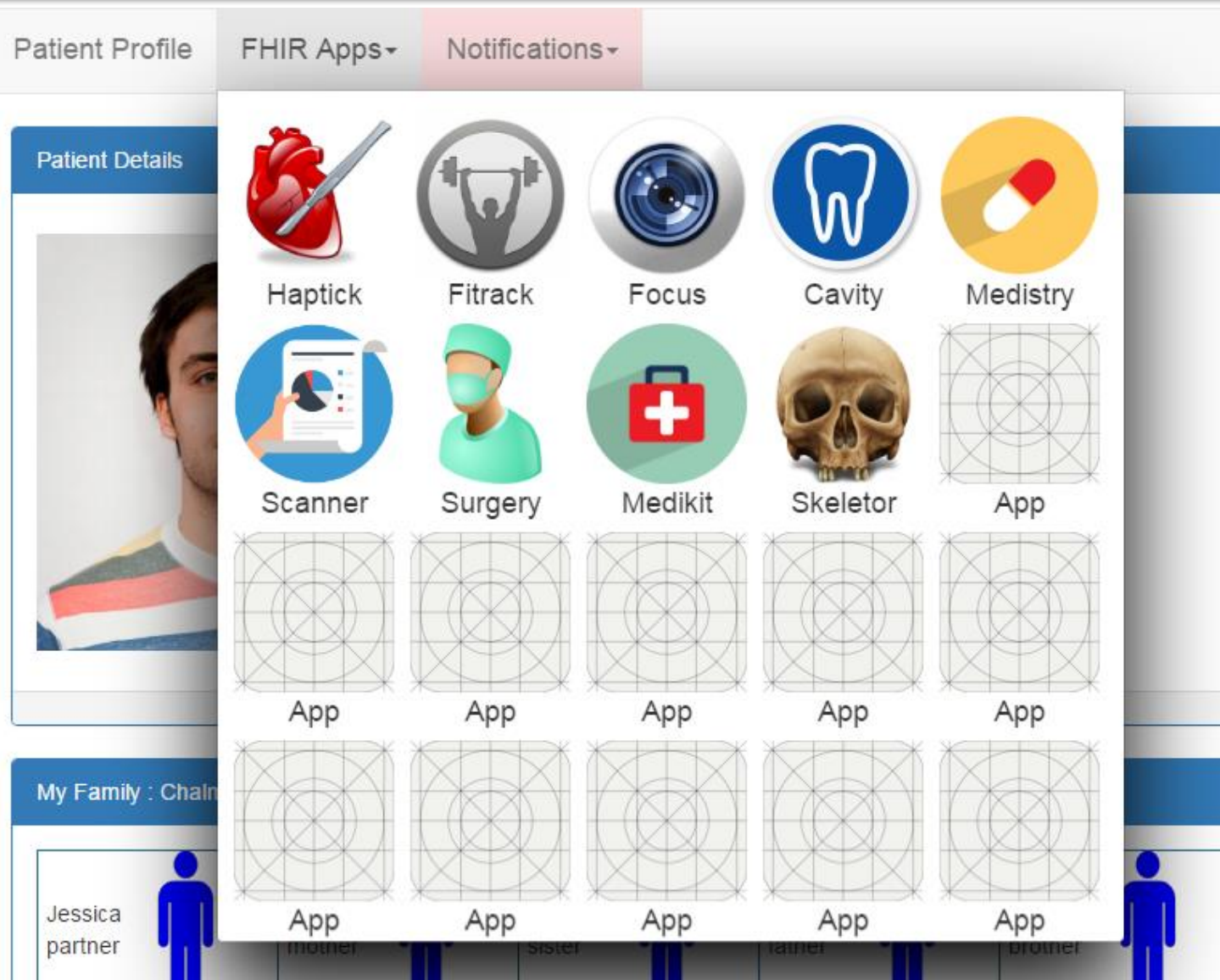## Find a hospital nearby

Hospital Bengaluru

Map   Satellite

Marin Headlands
Golden Gate National Recreation

Cerner

Quickly find a hospital nearby – powered by google
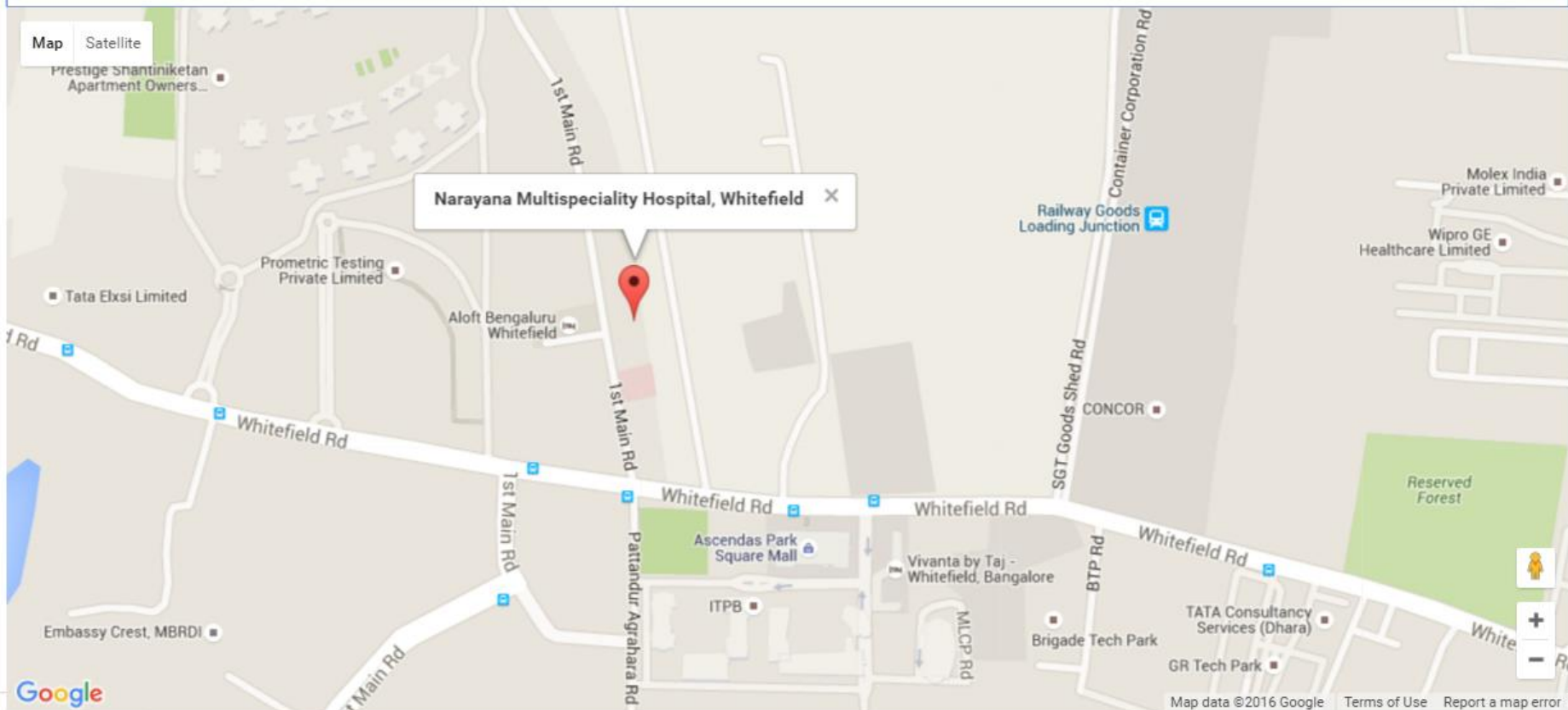
An app drawer for installed apps from the UMR App store

UMR App store – powered by Smart on FHIR

UMR App store - Powered by Cerner

Top Apps
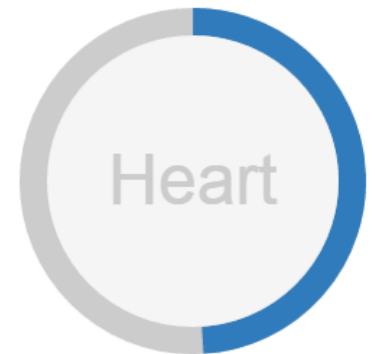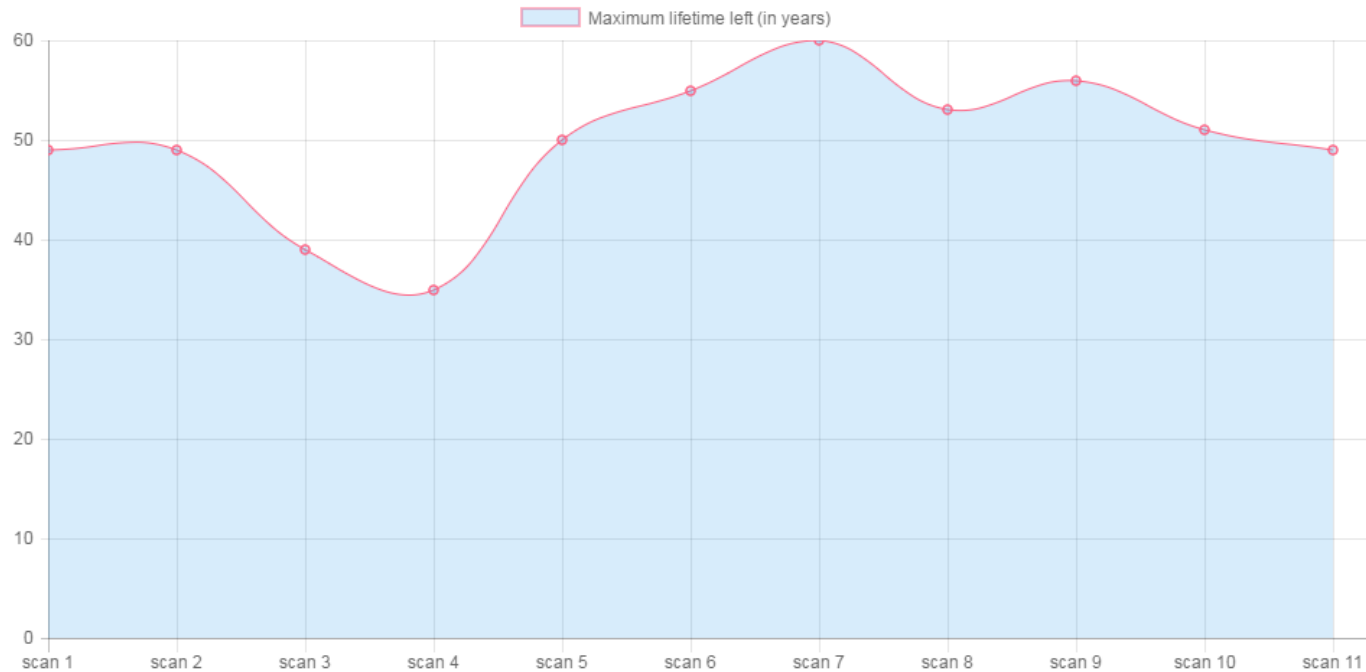
Fhir Apps Trending

Apps from Cerner

Example apps

Lets look at some app examples

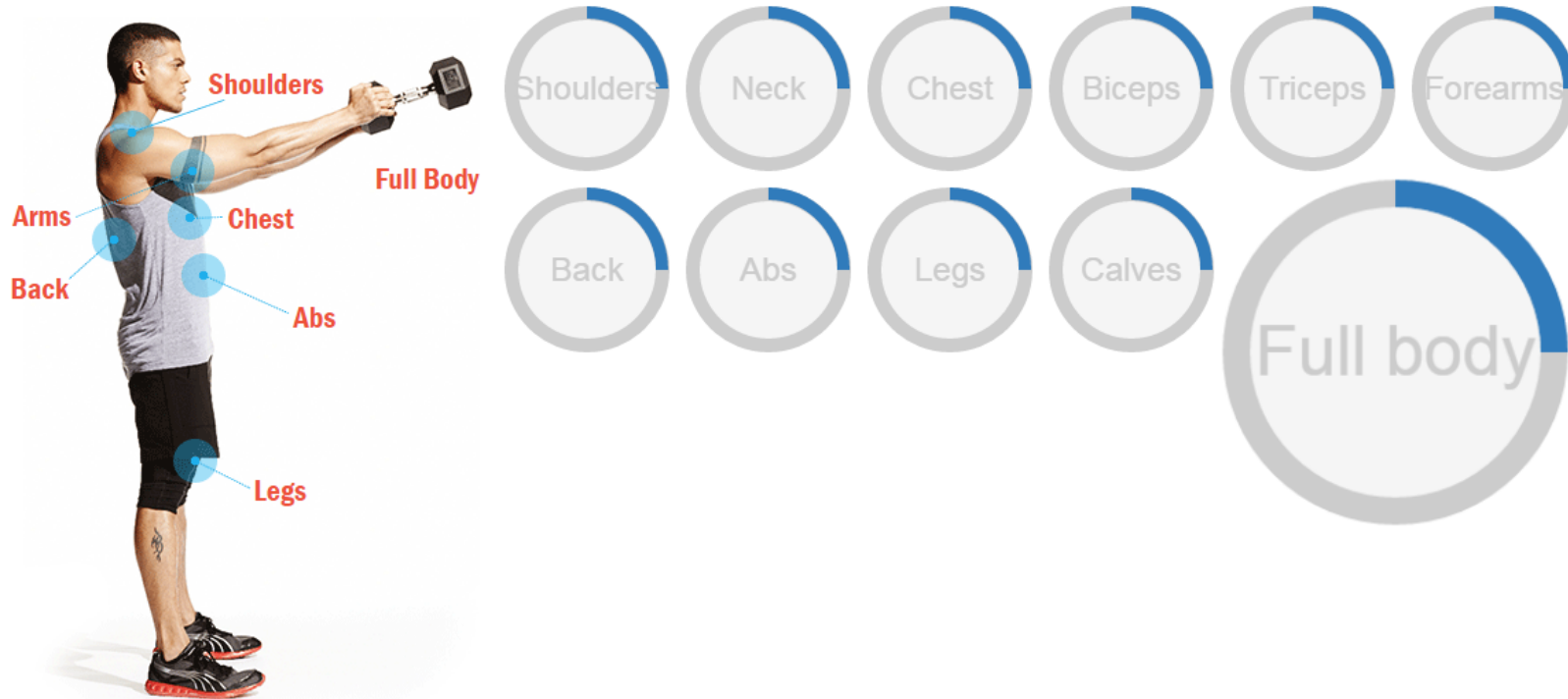# Haptick – Heart Attack Prediction

Fitrack – The fitness tracker

Focus – Spectacles prescription

Focus - Vision Prescription

Vision Left Eye Prescription

Add : 1.75
Axis : 160
Back Curve :8.7
Brand : OphthaGuard
Color : green
Cylinder : OphthaGuard
Diameter : 14
Power : -2.75

Vision Right Eye Prescription

Add : 1.75
Axis : 160
Back Curve :8.7
Brand : OphthaGuard
Color : green
Cylinder : OphthaGuard
Diameter : 14
Power : -2.75

Left

Right

Cerner

For End Users

Lets see how UMR Cloud network adds value to

- Organizations

Signup and login to Org profile

Org Dashboard

For Developers

Developers can start building their apps using the UMR UI and App framework

Let us look at some examples

Note For detailed documentation on the APis ,
Please contact the framework developers . Contact information is given
at the end of this presentation

UMR Health Card API

Syntax

renderCard(id, color, header, body, footer, headerContainer bodyContainer, footerContainer){

Example

var patientDetailsCard = new *UmrUI*.UmrHealthCard();
var patientDetailsCardDiv = $(patientDetailsCard.renderCard("patientInfoCard",
cardColor.darkBlue,true,true,true, headerWrapper,bodyWrapper,footerWrapper));

Patient Details

Patient ID :	UMR12345
Name :	Peter James
Active :	true
Address :	534 Erewhon St
	PleasantVille
	Rainbow
Birthdate :	1974-12-25
Identifier :	
Managing organization	
Gender :	male
Resource Type :	Patient
Telecom :	(03) 5555 6473
Family :	Chalmers
Total family members :	5

Health

UMR UI Framework

UMR Grid API

Syntax definition

renderGrid (rows, columns);

Example

var patientDetailsGridWrapper = *renderGrid*(1,2);

var familyGrid = *renderGrid*(1,totalfamilymembers);

Patient ID :	UMR12345
Name :	Peter James
Active :	true
Address :	534 Erewhon St PleasantVille Rainbow
Birthdate :	1974-12-25
Identifier :	
Managing organization	
Gender :	male
Resource Type :	Patient
Telecom :	(03) 5555 6473
Family :	Chalmers
Total family members :	5

My Family : Chalmers

| Jessica partner | Linda mother | Katie sister | Robert father | Daniel brother |

Total members : 5

UMR App icon generation API

Syntax

```
renderIcon(appName, appIconPath, appURL) {
```

Example

```
var appIcon = new UmrUI.appIcon();

var appGrid = renderGrid(totalApps/5 + 1,5);

var appGridDiv = $(appIcon.renderIcon(appName[i], appIconPath[i], appURL[i]));
```


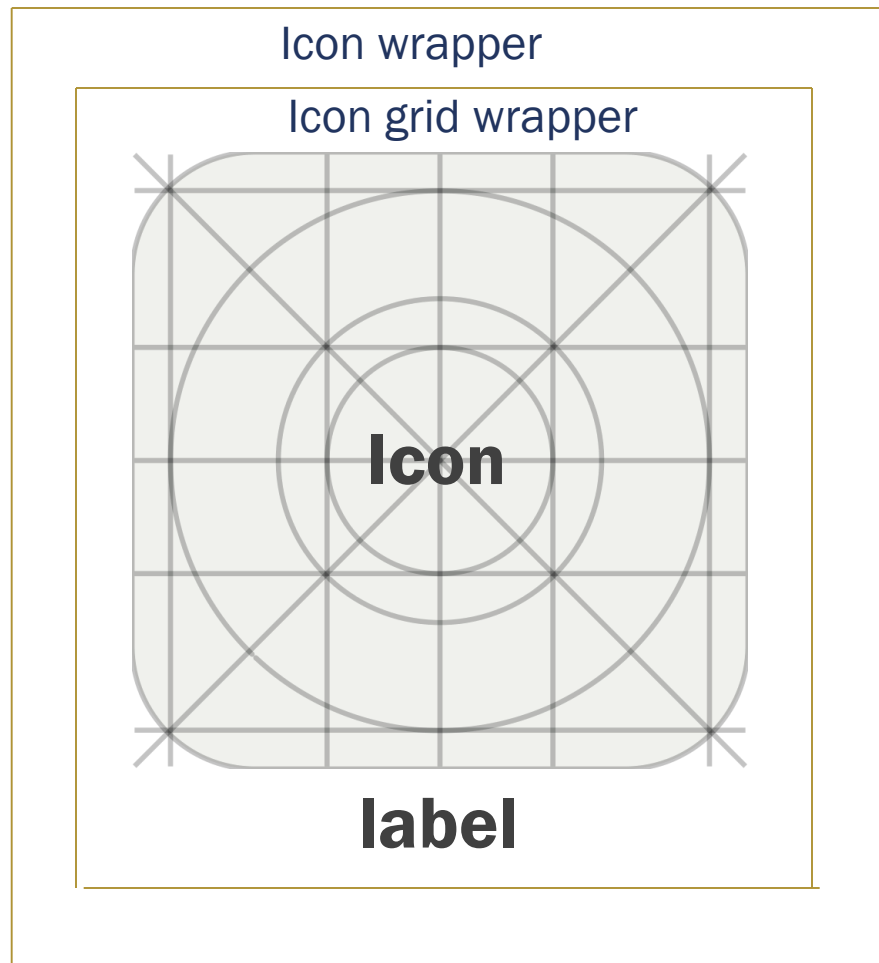|				
Haptick	Fitrack	Focus	Cavity	Medistry
Scanner	Surgery	Medikit	Skeletor	App

App Icon Design

Icon wrapper

Icon grid wrapper

Icon

label
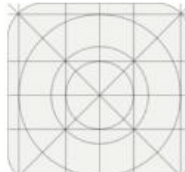
Conclusion

The UMR Cloud Network will serve as a social network with an App store for Smart on FHIR Apps. The Community of FHIR developers shall be equipped with the tools and can start developing incredible Smart on FHIR Apps

The possibilities are limitless !

UMR Cloud Network Framework Developers