# FEATURE SPECIFICATION: GLOBALHEALTH

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## Feature by section

### Common features

#### Security

##### SSL / TLS

The application will be served up through a secure encrypted socket. All browsers support SSL.

##### WS-Security

Integrations partners will have to have a certificate, issued by us, with which to pass along every time they make a request for information using our Web Services interface.

##### Encryption

Patient sensitive data is encrypted and persisted using AES 256-bit encryption.

##### Per record privileges

Patient data is controlled by the patient. No one will have access to any of patient’s records without her permission.

#### News blaster

##### Organization

##### Professional

##### Patient

##### Global

#### Open framework

##### Messaging

##### Forums

##### “Healthpedia”

##### Social networking

#### Event based information follow up (ticklers)

For every activity in the system there is an event, and to every event there can be a follow-up event. We want to inspire information entry.

E.g. After an appointment with the doctor, the patient receives an automatic “tickler” appropriate to the appointment, asking the patient to answer a question. The question could be to rate the professional, fill in more information in their PHR, fill out a survey etc.

### Patient

#### Personal Health Record (PHR)

Common behavior:

* Create (except Personal profile)
* Update
* Delete
* Mark as emergency record
* Share record with professional (read-only)

##### Advance directive

##### Allergy

##### Alternative treatment

##### Dental

##### Employer

##### Family history

##### Hospitalized

##### Immunization

##### Insurance

##### Medical condition

##### Medication

##### Personal profile

##### Contact

##### File

##### Location

##### Practitioner

##### Surgery

##### Travel immunization

##### Contact lenses

##### Vision exam

##### Glasses

#### Calendar

##### Appointment

###### Personal calendar

View / Create / Update / Delete Vacation days

View / Create / Update / Delete Busy time

View / Create / Update / Delete Available time

View Overlapping appointments

Day view

Week view

Month view

###### Professional calendar

View Vacation days

View Busy time

View Available time

View Day view

View Week view

View Month view

###### Request appointment with professional

###### Approve professional request for appointment

###### Update apt

###### Confirm appointment

###### Cancel appointment

###### View paid appointments (receipts)

###### View outstanding payments

###### Sync calendar with Outlook / iCal

###### Send iCal attachment in email

#### Manage professional relationships

##### Request relationship

##### Approve relationship

##### Reject relationship

##### Ignore relationship

##### Search for professional

##### View professional profile

##### View professional blog

##### CRUD professional forum and posting

##### Chat with your professional

##### Rate professional

##### List professionals

### Professional

#### Manage my professional profile

##### Create / Update / Delete text and images

##### Create / Update / Delete associations

##### Create / Update / Delete certifications

##### Create / Update / Delete specialties

#### Manage patient relationships

##### Request relationship

##### Approve relationship

##### Reject relationship

##### Ignore relationship

##### Chat with your patient

##### List patients

##### View patient PHR records

##### View patient emergency records

#### Calendar

##### Appointment

###### Professional calendar

View / Create / Update / Delete Vacation days

View / Create / Update / Delete Busy time

View / Create / Update / Delete Available time

View overlapping appointments

Day view

Week view

Month view

###### Request appointment with patient

###### Approve patient request for appointment

###### Confirm appointment

###### Cancel appointment

###### Update appointment

###### Send iCal attachment

###### Sync calendar with Outlook / iCal

#### Accounting

##### View paid appointments (receipts)

##### View outstanding payments

##### Request payment

##### Create invoice (product and services)

##### Send invoice (HTML, PDF, etc)

##### Mark item as paid

##### Manage products and services

#### Electronic Medical Record (EMR)

##### Common behavior

* 24-hour modification limit
* Create
* Update
* Delete

###### Anamnesis

###### Referrer

###### Referrer diagnosis

###### Treatment suggestion

###### Diagnosis (SNOMED, ICPC-2, ICD-10, DSM IV etc)

###### Examination

###### Notes

###### Conclusion

###### Files

###### Comment

#### Waiting list

#### E-commerce

As an extra feature for serious professionals, we can offer them their own e-commerce store front. Here they can sell any item pertaining to their business and have full control over sales, shipment, payment etc.

#### Profit making opportunity

XCEL Co.SM is a single-tiered marketing strategy whereby our clients create virtual companies within our system, recruit fellow users and make money on it. Everyone in the company benefits through lower monthly subscription fees. Recruiting higher paying subscribers yields higher dividends for the company owner. Being a higher level subscriber and belonging to an XCEL Co. with other higher level subscribers gives lower subscription fees than belonging to a company with lower level subscribers. The goal is to have our clients help recruit more clients and give them incentives to subscribe to our more advanced and costly features. It's a win-win situation.

#### Job board

We offer our clients a full-fledged job board where they can post and search for available jobs within the system.

#### Export patient PHR

For migration purposes, a professional has the ability to export a patient’s digital personal health record to an electronic file that is more fitting to their existing system

#### Request for information

A professional can send out a “request for information” to the patient. If a professional needs more information from the patient PHR or the patient’s general practitioner, she can issue a request to the patient to fill in the missing information. The next time the patient logs in, she will see the request form information and she can then fill out her own PHR or ask her general practitioner to fill out her EMR to fit the request.

### Organization

An organization is a group of professionals such as a hospital, an insurance company or a non-profit organization such as the Red Cross. The big difference between professionals associating themselves with an association versus a professional being part of an organization is the ownership of patients. The organization “owns” the patient and gives the doctor(s) the right to work with one of their patients.

#### Manage professionals in organization

#### Manage patients in organization

### Country

A country consists of organizations, professionals and patients and will be used for large scale integrations.

#### Manage organizations

#### Manage professionals

#### Manage patients