

factor

GARY CARLSON CONSULTING

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Gary Carlson

Roles:

consultant taxonomist product manager

Services:

- -Information Strategy
- -Taxonomy Management
- -RFP Development
- -Taxonomy Assessments and Workshops
- -Business Case Development

Tags:

taxonomy, information management, content management, knowledge management, ecommerce and intranet, SharePoint, Ontologies, healthcare, finance, etc.





Technical Content Strategy



The many elements of Content Strategy can be divided into two general areas, *Editorial Content Strategy* and *Technical Content Strategy*.

Content Strategy			
Editorial	Technical		
 Message and Voice 	 Taxonomy Design 		
User Experience	 Metadata Design 		
 Content Creation 	 Search Implementation 		
 Content Approve/Release 	 Systems Integration 		
 Search Strategy 	 Performance Optimization 		

http://nichewhite.wordpress.com/ 2010/07/29/the-yin-to-his-yang/

Taxonomy & User Experience Artifacts

This is an incomplete sample of standard deliverables for from taxonomy and UX projects. We'll go through these tonight.

Taxonomy	UX
Taxonomies	Personas
Governance Plans	Experience Maps, Journey Map
Infrastructure Specifications	Prototypes or Wireframes

Example – Personas



SUSAN MILLER

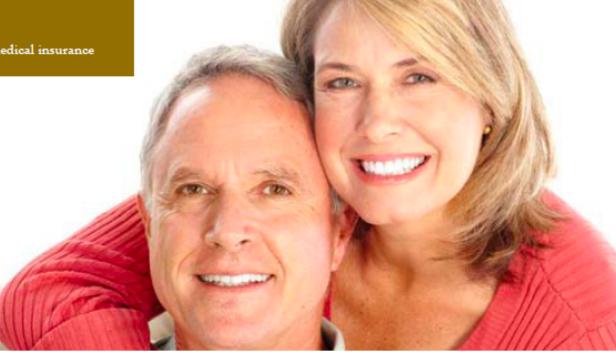
PRIMARY USER | Patient Care: a new patient with medical insurance

INFORMATION NEEDS:

- learn about medical condition, symptoms, possible treatments, patient advice, etc.
- find out which UW Medicine facilities / clinics offer services related to heart disease
- find out which physicians work in the heart disease field
- find out how to make an appointment with her preferred physician at her preferred location
- explore any other patient resources that may be helpful to her needs

In the future:

- find out more about billing details regarding her procedure
- prescription refills
- schedule appointments
- pay bills



GENERAL Female, 50, local

TECHNOLOGY

Intermediate, internet user, social media awareness, preferred platform unknown PATIENT New (present and future), health insured, specialty care

UW No affiliation with UW

This Persona Example is the property of University of Washington Medicine



UX

UX – Persona



Common Taxonomies found in personas:

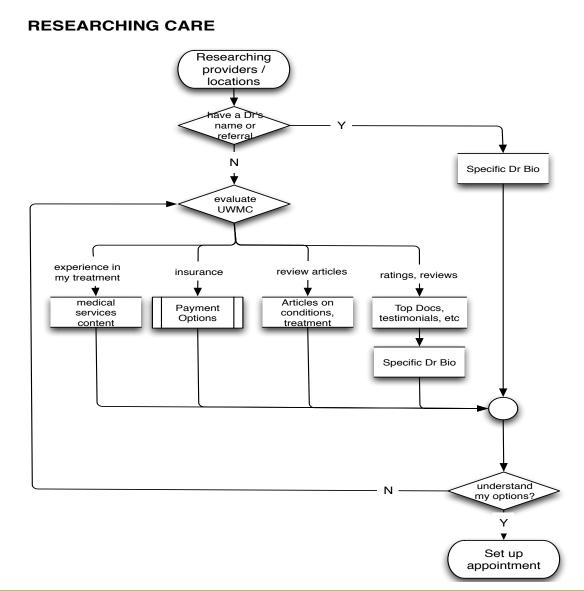
- Stage of life
- Geography / Location
- Specialties
- Types of products / services they desire / interact with
- Areas of interest
- Common channels they interact with
- Technical Level
- User Segment
- Gender
- Goals
- Etc

The taxonomies and how they are going to be used and related are often surfaced in the persona definition



Before Care	During Care	After Care
Affording Care	Appointment & Procedure Preparation	Appointment & Procedure Follow-up
Researching Care	Appointment & Procedure	Future Care
Finding Services		Feedback and Advocacy
Get Support		Billing

Sample Key Path/Interaction Flow



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Interactions dependent on information delivery

• Example – Susan was looking for a clinic that focused on "specialty A" near "location B"... Implies that the search tool or clinic locator must be able to utilize a common set of specialties and locations that are used in the other systems as well.

Content types

• Example – "Susan was looking for an FAQ..." Content Type = "FAQ"

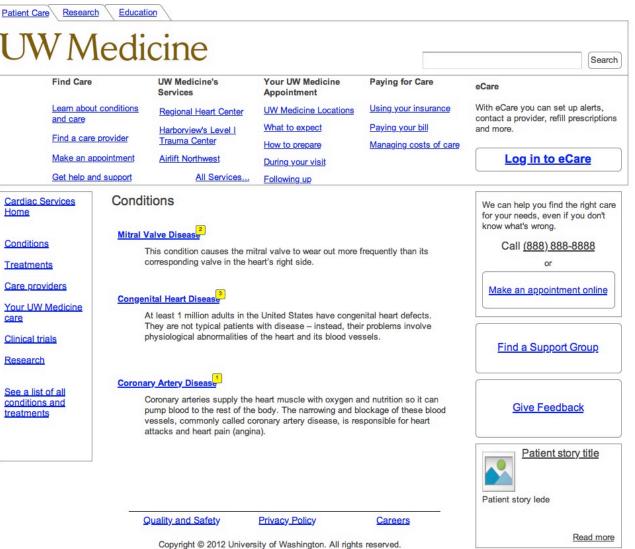
Information and relationships and dependencies

 Example – People need to find services by customer goal and location (so the services must be linked to the geography taxonomy and the goals or goals and locations must be linked explicitly)

Frequency of use / or change

 Example – 'Products are re-branded every year..." taxonomy must allow for product re-naming and track previous product names

Prototype Screen Capture (Wireframe)



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UX – Prototypes & Wireframes



Content Types

Taxonomies

Search requirements

- "search box"
- Search driven content presentation

Content and Taxonomy relationships

Relationships between taxonomies



Taxonomy

Taxonomy – Boring Definition



Collection of terms and relationships between terms used to describe a domain. (And hopefully created to address a real business problem)

ANSI Thesaurus Traditional BT/NT taxonomy Controlled Vocabularies Ontologies Controlled value lists Folksonomies? etc

Terms or relationships may or may not have rich attributes associated with them

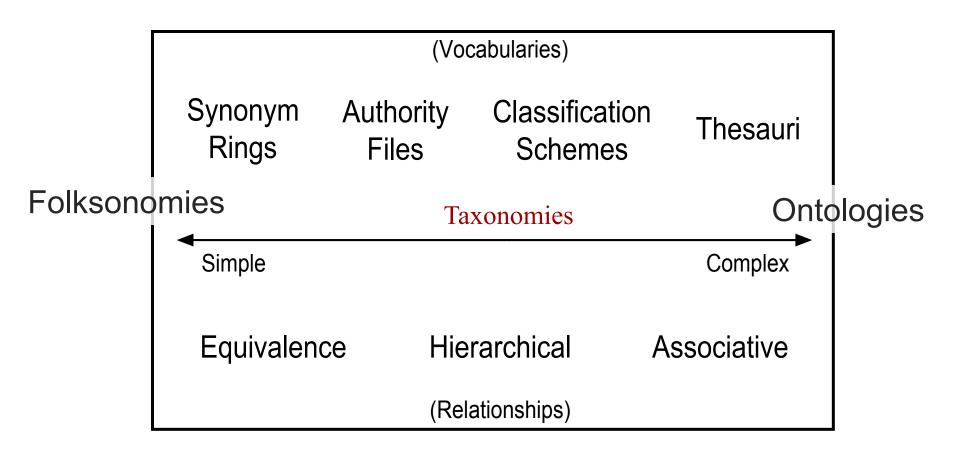
Taxonomy – Interesting Definition

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OK, maybe a less boring definition...

- This is a codification of a companies expertise as it relates to products customers, workflows, business constraints, etc.
- Taxonomies and attributes are designed to bridge the gap between content and customer
- Directly support revenue, brand health and operational efficiency
- This is a highly relevant and valuable corporate asset that requires:
 - Tools to support it
 - Staffing to maintain it
 - Governance procedures
 - Visualization tools
 - etc





FromRosenfeld, L. & P. Morville. (2002). Chapter 9, "Thesauri, Controlled Vocabularies, and Metadata" in Information Architecture for the World Wide Web. 2nd ed. Sebastopol, CA: O'Reilly. (p. 176-208).

Taxonomy – Information Model



Information model support of the information delivery

- Do all the taxonomies exist and are they up to date?
- Is the appropriate governance in place to keep them up to date?
- Does their content and design support the use cases?

Relationships between taxonomies and content modeling

• Are the relationships well enough defined to be applied to the concepts Are the resources (people and technology) in place to maintain the relationships?

Information model support for all the values needed to support the experience

- Are the taxonomies at the right level of granularity?
- Are the taxonomy terms presented in a way that people can understand? Language, Technical level, Geographically or culturally relevant

Gaps in any of these may have an impact on the user experience that is created

Taxonomy - Governance



Frequency of update of the taxonomy?

Types of changes that can be supported?

Can the desired relationships between taxonomies and content be managed?

Legal/Regulatory constraints?

Taxonomy – Technical Infrastructure



Can the model be delivered to the consuming systems

Can the infrastructure model all of the requirements

- Synonyms
- Relationships between terms
- Relationships between taxonomies

Are the tools accessible to business users and technical owners

Can updates to the information model be made in a timely fashion (as identified in the UX)

Example – Personas



SUSAN MILLER

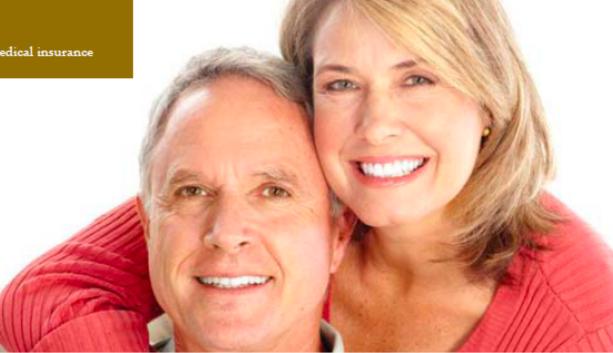
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Example Persona - details



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Taxonomies:

- Medical Conditions
 - Medical Symptoms
- Treatments?
- Medical fields or specialties
- Location
- Goals

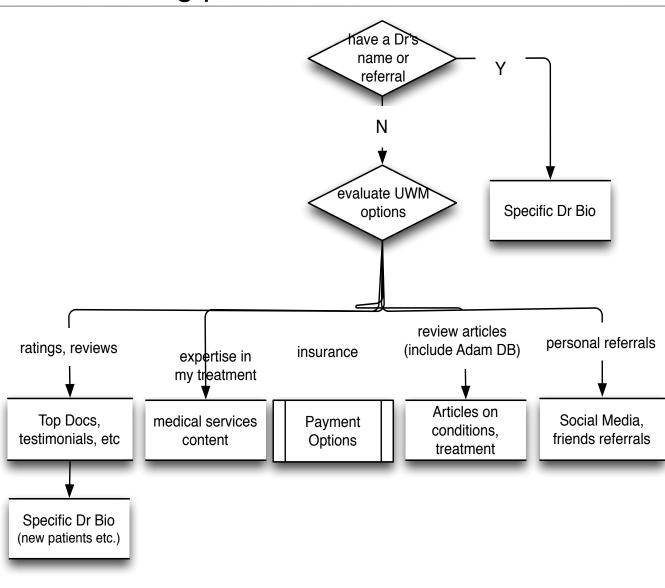
Content Types:

- Patient Advice
- Facilities/clinics
- Physician Bios

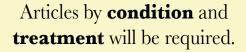
Functionality that needs to be supported with metadata:

- Clinic locator
- Search by taxonomies
- Make an Appointment
- Prescription refill

Sample Key Path/Interaction Flow Researching providers / locations



For each doctor the following metadata is required: **Ratings**, **Expertise**, **Insurance plans**.



Expertise, conditions and treatment will all need to be related and managed so as to drive consistency.

Clinical trials need to be identified by **condition** and **treatment**. Clinical trials will need additional info about **dates**, and whether or not they are **open** to new participants.

Content Types = Articles, Ratings, Dr Bio, On-line forms

Example – Technical Infrastructure

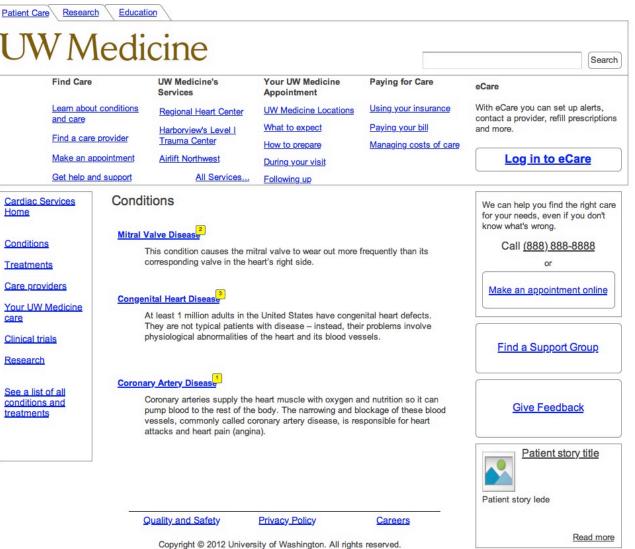


RootExcel	Level 1	Level 2 (class)	Level 3 (leaf)
Automotive	AutomotiveBasics	Alarms,Locks,Security	
Automotive	AutomotiveBasics	Alarms,Locks,Security	RemoteStart
Automotive	AutomotiveBasics	Alarms,Locks,Security	SecurityUniversalLocks
Automotive	AutomotiveBasics	Alarms,Locks,Security	SecurityVehicleSpecificLocks
Automotive	AutomotiveBasics	Audio,Video,Electronics	
Automotive	AutomotiveBasics	Audio,Video,Electronics	Audio,Video,UniversalUse
Automotive	AutomotiveBasics	Audio, Video, Electronics	Audio, Video, VehicleSpecific
Automotive	AutomotiveBasics	Audio,Video,Electronics	CellularAccessories
Automotive	AutomotiveBasics	Audio, Video, Electronics	GlobalPositioningSystems
Automotive	AutomotiveBasics	Audio,Video,Electronics	NavigationSystems
Automotive	AutomotiveBasics	Audio,Video,Electronics	PowerAccessories
Automotive	AutomotiveBasics	Audio,Video,Electronics	RadarDetectors
Automotive	AutomotiveBasics	AutomotiveCollectibles	
Automotive	AutomotiveBasics	AutomotiveCollectibles	GeneralApparel
Automotive	AutomotiveBasics	AutomotiveCollectibles	KeyChains
Automotive	AutomotiveBasics	AutomotiveCollectibles	Mugs
Automotive	AutomotiveBasics	AutomotiveCollectibles	RacingSuits
Automotive	AutomotiveBasics	AutomotiveCollectibles	SpecialtyCollectibles

Excel as Taxonomy Tool

- Ubiquitous everyone knows how to use it
- Easy to use
- Relationships very difficult to manage
- Change Management difficult
- Term re-use very difficult

Prototype Screen Capture (Wireframe)



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Questions?

Thank You

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