TEAM4OIES

Feasibility Study

Version 2.0

Signature Block

COSC 4351	Name	Signature	Date
SE Javier Rivera	Javier Rivera		2-11-15
SE Linh Tong	Linh Tong		2-11-15
SE Paul Miller	Paul Miller		2-1-15

DOCUMENT CONTROL

CHANGE HISTORY

Table 1: TLs entries (assigned work and due dates) before releasing to the team (all SQAs)

Revision	Name	Due Date	Description
1.A	TM Steven Pate	02/08/2015	Add your work to Document
1.B	TM Janaye Maggart	02/08/2015	Add your work to Document
1.C	DBA Logan Stark	02/08/2015	Add your work to Document
1.X	SQA Linh Tong	02/09/2015	Review Document
1.Y	SQA Paul Miller	02/10/2015	Review Document

Table 2: Entries when work completed (SVN Commit Comment matches Description)

Revision	Name	Completed Date	Description
1.A	TM Sarah Moore	02/09/2015	I added my feasibility study to the document
1.B	TM Janaye Maggart	02/08/2015	I appended my feasibility study to the document
1.C	DBA Logan Stark	02/08/2015	I appended my feasibility study to the document
1.D	DBA Jainesh Mehta	02/08/2015	I added my feasibility study to the .doc
1.X	SQA Linh Tong	02/10/2015	I reviewed Document
1.Y	SQA Paul Miller	2/10/2015	I reviewed Document

Table 3: TL entry for RED DELIVERABLES (SVN Commit Comment matches Description)

Revision	Name	Due Date	Description
2.0	TL Javier Rivera	02/11/2015	I changed Version to 2.0

DOCUMENT STORAGE

This file is stored in SVN at https://svn.cs.uh.edu/svn/cosc4351/team4/TEAM PROJECT DELIVERABLES/**Feasibility Study.doc**.

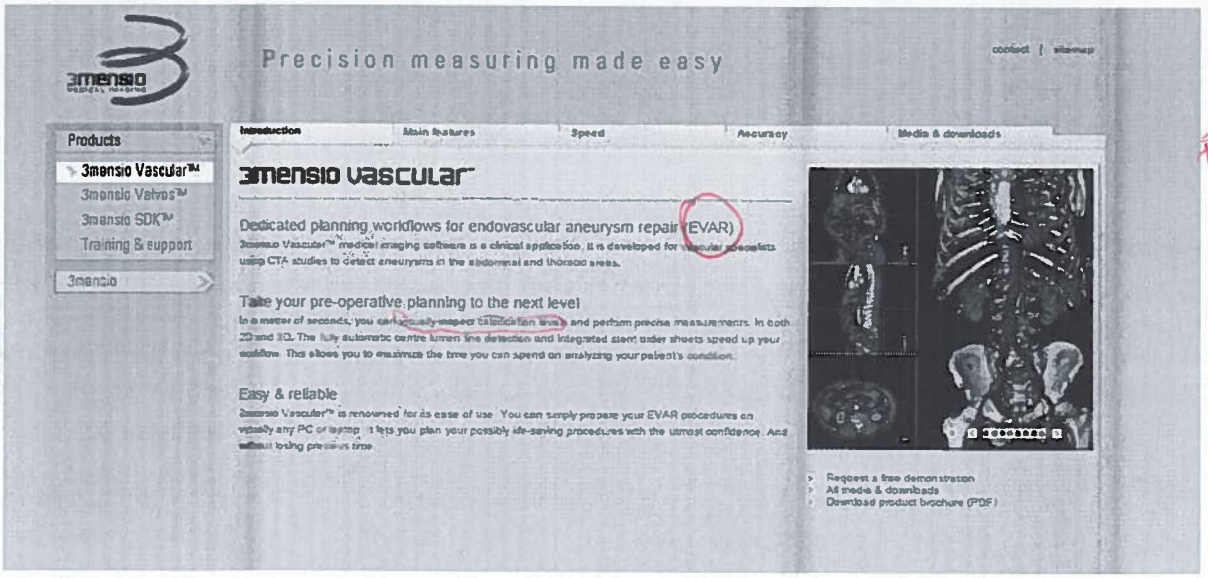
please move as last page

Executive Summary

TEAM4OIES has been assigned to build the Online International Evar System website, which has a large backend database of EVAR (Endo Vascular aortic Aneurysm Repair) data. This is a feasibility report, from each member of TEAM4OIES, to help us build the website and decide what type of technology and features we can use for our OIES.

JAINESH FEASIBILITY STUDY

Good Example:
http://www.3mensio.com/product-3mensio-vascular.aspx

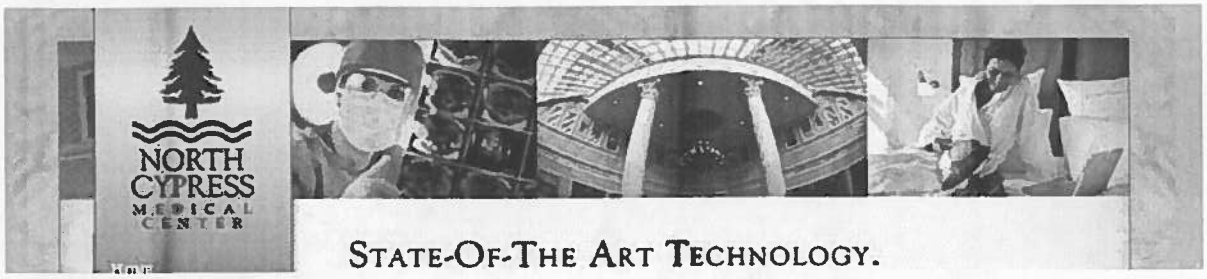


Easy to use. There is navigation menu and full of descriptions. It also shows product/ procedures offered and their images.

Technologies Used:
- IIS 6
- ASP.NET
- jQuery
- Javascript

Cost: $9,545

Bad Example:
http://ncmc-hospital.com/



There is an annoying video that plays every time on the homepage, which can not be stopped or muted.

Technologies Used:
- IIS

- PHP
- jQuery
- Javascript

Cost: $8,188

JANAYE FEASIBILITY STUDY

Good Example:
http://www.earthlink.net/

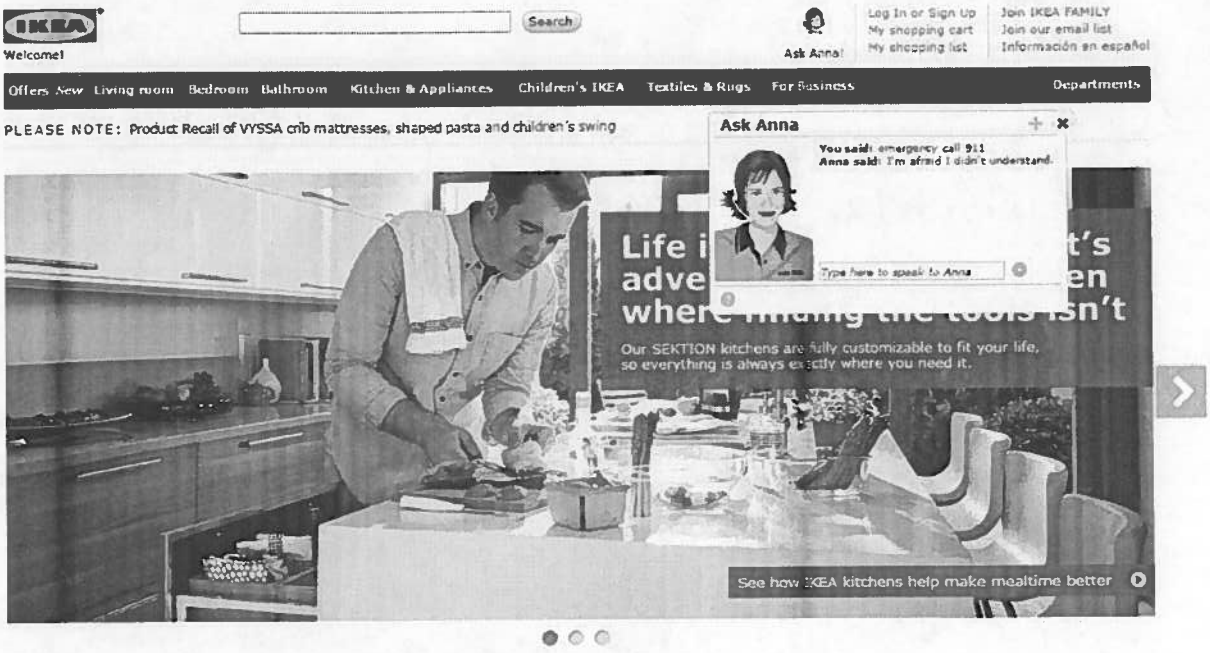
Home page has very good drop drown menu and provides Live Chat future with almost zero wait time. Also very easy to find the contact phone number for support, which nowadays you have to dig through for most websites.

Cost: 30,000

Technologies:

- Apache
- J2EE
- Shockwave Flash Embed
- jQuery

Bad Example:
http://www.ikea.com/us/en/



More news and inspiration from IKEA

Join our FREE loyalty program!
Offers valid January 28, 2015 - March 3, 2015

IKEA Foundation 'Brighter Lives for Refugees' Campaign Helps UNHCR Refugee Camps around the world.

Website has chat function but chat is with AI, which can get frustrating and become a waste of time.

Cost: 20,000

https://www-112.ibm.com/software/howtobuy/buyingtools/paexpress/Express?P0=E1&part_number=D55WVLL,D55WZLL,D57P1LL,D57P6LL,D1038LL,D103BLL,D103GLL&catalogLocale=en_US&Locale=en_US&country=USA&PT=jsp&CC=USA&VP=&TACTICS=&S_TACT=&S_CMP=&brand=SB05

Technologies:

- IBM Websphere Commerce
- J2EE
- Perl
- AJAX Libraries

SARAH FEASIBILITY

Good Example
http://www.heartland.com/

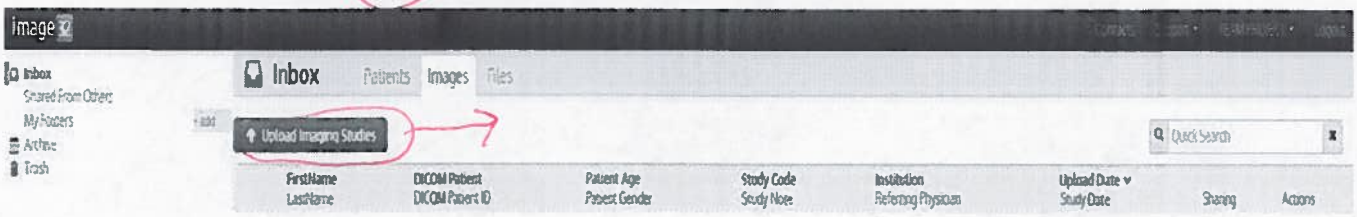
Website has a nice drop down menu on top and a search button. Contents are well organized and do not have an annoying movie playing or sounds on the homepage. Much more appealing website, image-wise.

Technologies Used:
- Apache 2.2
- PHP
- jQuery
- Javascript

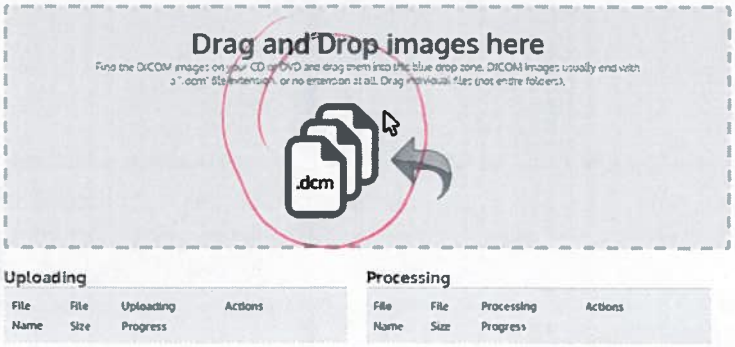
Cost: $25,693

LINH FEASIBILITY

Good Example:
https://www.image32.com



Since our project requires for users to upload images, I looked into medical websites that lets users upload medical files to their account. I ran across image32.com and I found their upload system very easy to use.



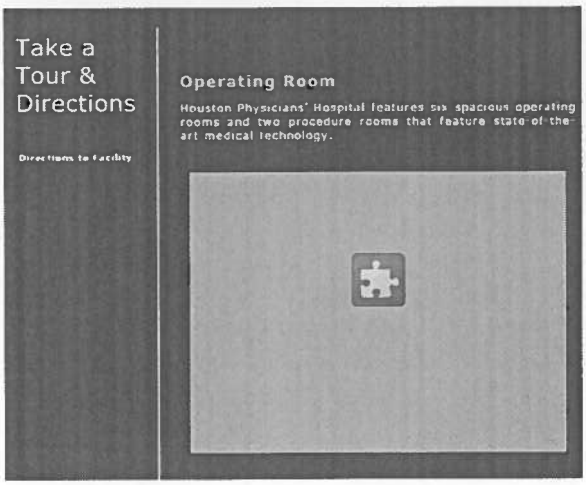
Simple drag and drop feature which allows users to upload their medical data to the server. Not only that but after uploading files, users can go back and search their previous uploads through "Quick Search".

Technologies Used:
- Apache
- J2EE
- PHP
- jQuery
- Javascript

Cost: $3,555

Bad Example
http://www.houstonphysicianshospital.com/index.html

Scrolling text moves too fast to read. The home page automatically plays a video with sound, which gets annoying after replaying it over and over. Difficult to get to the exact page you are looking for.

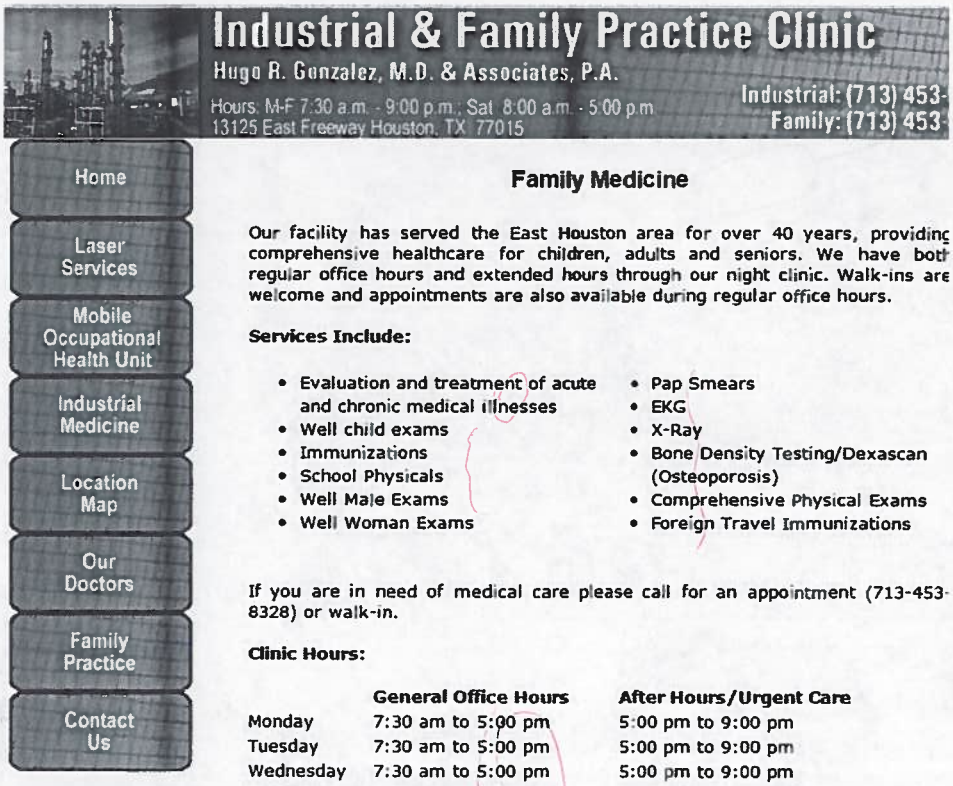


Outdated software used for some video playbacks, which does not even load.

Technologies Used:
- Apache
- Perl
- jQuery
- Javascript

Cost: $4,454

Bad Example:
http://www.gonzalezmd.com/



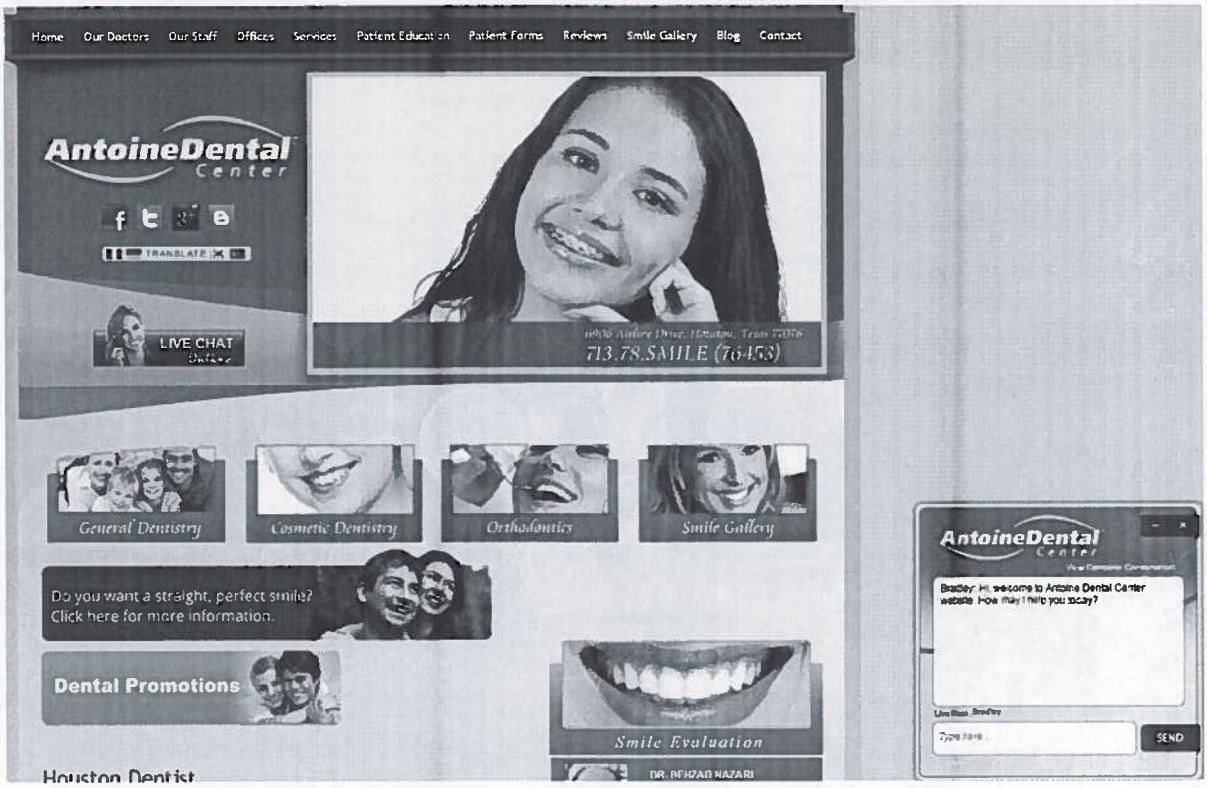
Webpage looks too empty and uses a very old style layout, giving it a very old and outdated feel. Furthermore, clicking the website logo does not take you back to the homepage. Web menus are not drop down and does not show subcategories.

Technologies Used:
- Apache
- Adobe Dreamweaver
- Javascript

Cost: $11,406

DANIEL FEASIBILITY

Good Example:
http://www.antoinedental.com/



At first, I thought this website had an AI bot chat window but I tested it out and to my surprise it was actually a real person. The website is full of smiling people which attracts customers.

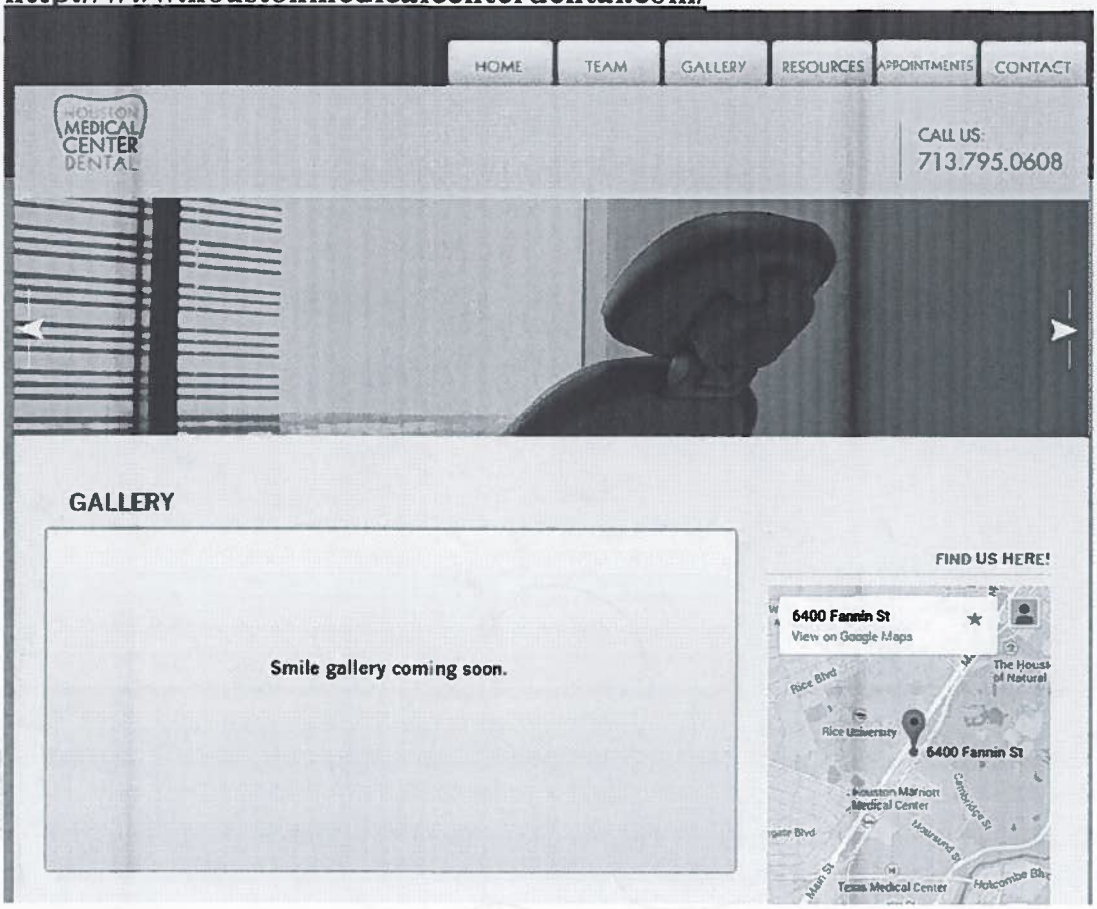
cute!

Technology Used:

- Apache
- Comodo
- JQuery
- PHP

Cost: $300

Bad Example:
http://www.houstonmedicalcenterdental.com/



The website template looked very nice but three of the six menu buttons do not work or is incomplete. Images used seem out of place. This website is for a dental office so the web developers could have used pictures of kids/families smiling instead of showing empty office rooms.

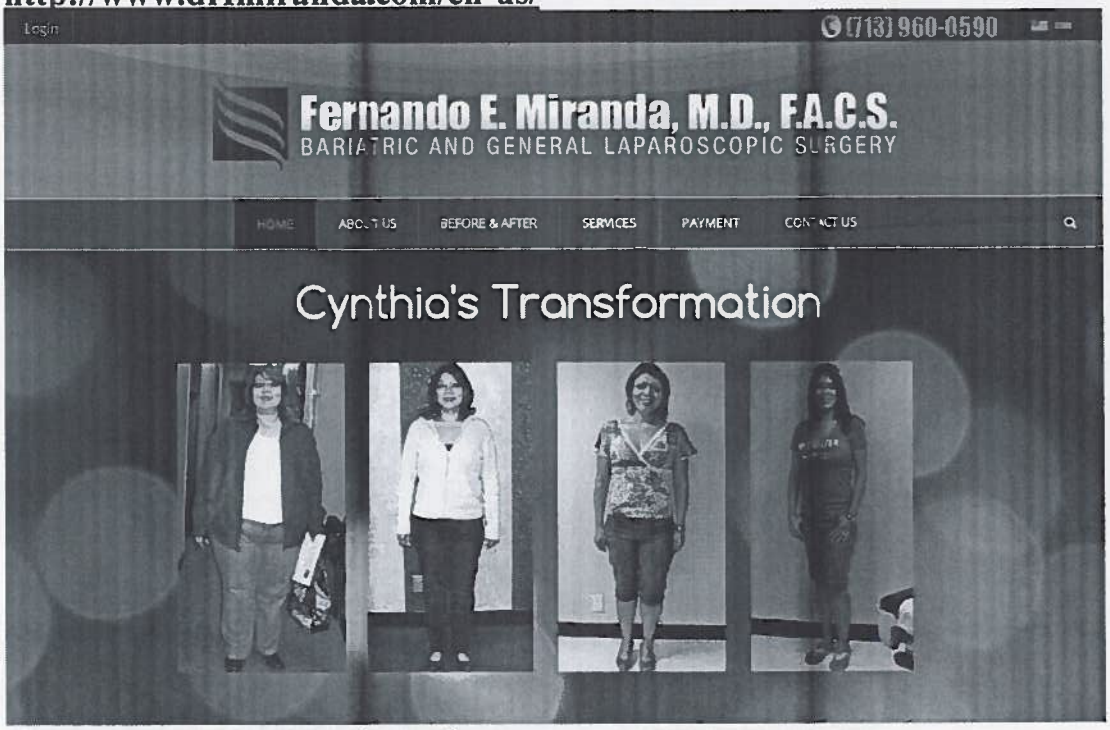
Technology Used:

- Nginx
- Parallels SSL
- WordPress
- PHP
- Javascript

Cost: $580

PAUL FEASIBILITY

Good Example:
http://www.drfmiranda.com/en-us/



Bariatric and Weight Loss Surgery in Houston, Texas

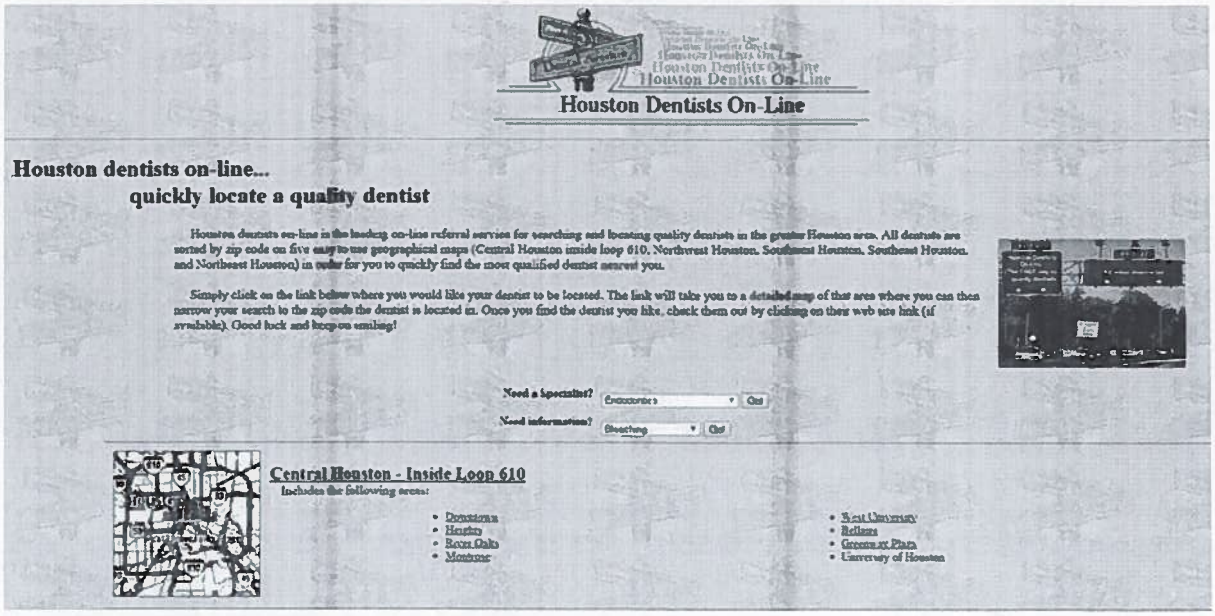
Website uses amazing flash work to capture user's attention and show the services they offer.

TEAM4OIES is to implement testimonials on the website and this website shows testimonials from their customers and before and after pictures of procedures done.

Technologies Used:
- IIS 7
- ASP.NET Ajax
- jQuery
- Javascript

Cost: $4,455

Bad Example:
http://www.dentistsofhouston.com/



Website has no menus, no "About Us", or no "Contact Us" pages. Website is just plain text and could also use a better logo.

Technologies Used:
- nginx
- Comodo

Cost: $500?

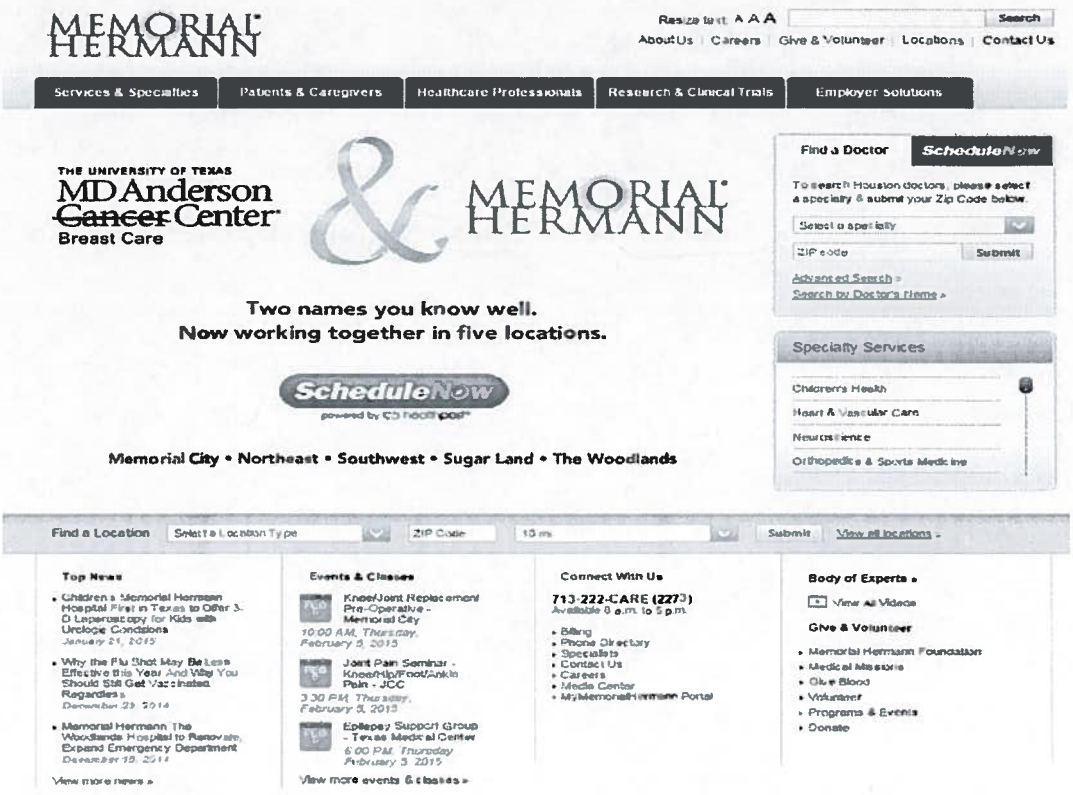
STEVEN FEASIBILITY

Good Example:
http://www.memorialhermann.org/

Site Technologies Include:

- IIS 7
- ASP.NET Ajax
- PHP
- Adobe ColdFusion
- JQuery UI
- Javascript

Cost: $50,000



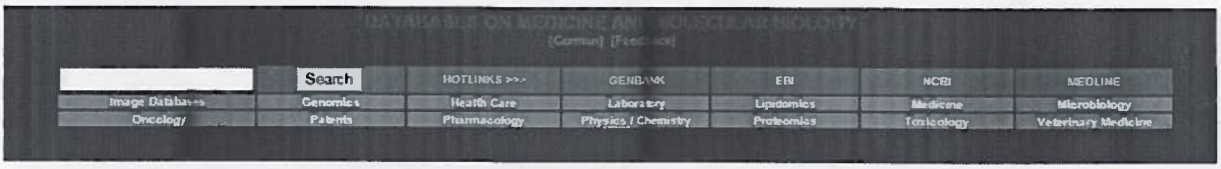
Easy to use drop down menu on hover. Clear resize text option to adjust font size on website. Website logo takes you back to homepage from any point.

Bad Example:
http://www.meddb.info/

Site Technologies Include:

- Apache
- PHP

Cost: $12,038?



Homepage just consists of menu, which is very small and hard to read.

	Search	HOTLINKS >>>	GENBANK	EBI	NCBI	MEDLINE
Image Databases	Genomics	Health Care	Laboratory	Lipidomics	Medicine	Microbiology
Oncology	Patents	Pharmacology	Physics / Chemistry	Proteomics	Toxicology	Veterinary Medicine
EBM	Epidemiology	History	Law	Water supply		

AHRQ - EBM	Agency for Healthcare Research and Quality - Evidence-based Medicine" info
	Collection of documents by the *Agency for Healthcare Research and Quality*. *http://www.ahrq.gov/clinic/epcix.htm*
ALLIE	A Search Service for Abbreviation / Long Form
	Allie is a search service for abbreviations and long forms utilized in Lifesciences. It provides a solution to the issue that many abbreviations are used in the literature, and polysemous or synonymous abbreviations appear frequently, making it difficult to read and understand scientific papers that are not relevant to the reader's expertise. Allie searches for abbreviations and their corresponding long forms from titles and abstracts in the entire MEDLINE database. http://allie.dbcls.jp/
CEHA	WHO - CEHA Library Database
	It includes more than 9,500 titles covering all Environmental Health aspects with clear focus on water supply and sanitation as a priority in the Easter Mediterranean Region. Great portion of the available documents are gray literature on Environmental Health in the Region. http://www.emro.who.int/HIS/VHSL/Cehalib.htm
DARE	Database of Abstracts of Reviews of Effects (DARE)" info
	DARE is a high quality database with structured abstracts of reviews published in the world wide literature, including otherwise difficultly accessible grey literature. http://www.crd.york.ac.uk/crdweb/
DIRLINE	Directory of Health Organizations Online
	DIRLINE (Directory of Information Resources Online) is the National Library of Medicine's online database containing location and descriptive information about a wide variety of information resources including organizations, research resources, projects, and databases concerned with health and biomedicine. This information may not be readily available in bibliographic databases. Each record may contain information on the publications, holdings, and services provided. DIRLINE contains approximately 10,000 records and focuses primarily on health and biomedicine, although it also provides limited coverage of some other special interests. http://dirline.nlm.nih.gov/
ETOH	Alcohol and Alcohol Problems Science Database (ETOH)
	The Alcohol and Alcohol Problems Science Database, commonly referred to as ETOH, is the most comprehensive online resource covering all aspects of alcohol abuse and alcoholism. Produced by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), ETOH contains over 110,000 records and is accessed by both researchers and clinicians worldwide. Included in ETOH are abstracts and bibliographic references to journal articles, books, dissertation abstracts, conference papers and proceedings, reports and studies, and chapters in edited works. Updated monthly, ETOH contains research findings from the late 1960s to the present, as well as historical research literature. http://etoh.niaaa.nih.gov/expanded.htm
Federal Science Register	Federal Research & Development Project Summaries

Bad use of font and colors, which makes it really hard to read for users. Search function does not work properly.

LOGAN FEASIBILITY

Good Example:
http://aokemergencyroom.com/

Website has easy to use drop down menus. Easy access to About Us and Contact us. Easy links to social medias such as Facebook and twitter.

Technologies Used:
- Apache
- Perl
- jQuery
- Javascript

Cost: $746

Bad Example:
http://www.houstonkidsdds.com/

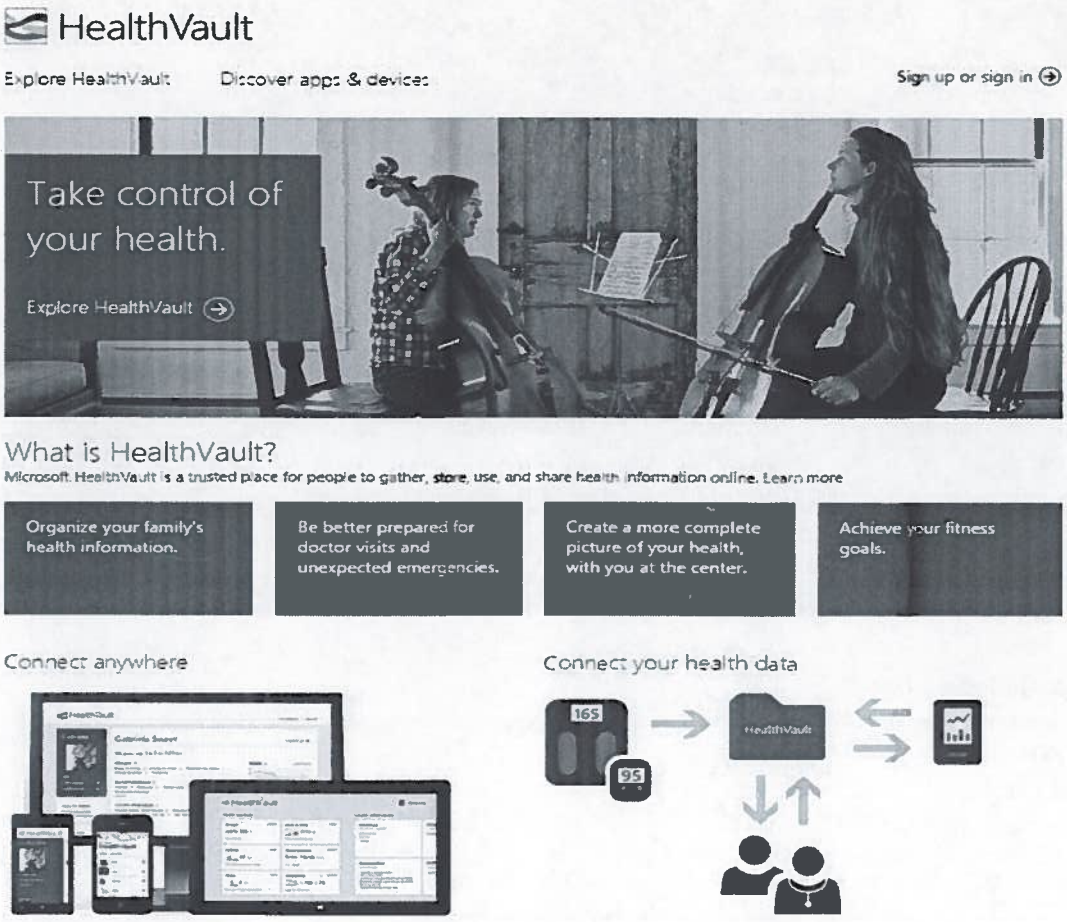
Website is for a children's dentistry but that does not mean kids will be logging on to it. More than likely parents will be logging onto the website and therefore website should look more professional and easy to access.

Technologies Used:
- Apache
- PHP
- jQuery
- Javascript

Cost: $4,996

JAVIER FEASIBILITY

Good Example:
https://www.healthvault.com/us/en



This website is similar to what I and my team will be building. Website has a clear description on the homepage of what it offers, which attracts customers.

One of the features I really liked on this website and would like to implement in our project is the login function. When a user enters invalid login information, the webpage uses script to give an error message to the user right away instead of sending it to the server.

Technologies Used:
- IIS 7
- ASP.NET
- jQuery
- Javascript
- IFrame

Cost: $550,000

Bad Example:
https://www.tuftsmedicalcenter.org

Technologies Used:
- IIS 7
- Entrust SSL
- ASP.NET 4.0
- JQuery UI

Cost: $19,222

I think this is a perfect example of a bad website, because it glitches in Chrome browser. Also when user clicks login button, the webpage does nothing (login function not functioning).

TEAM4OIES

Input Forms and Output Reports

90

Please copy Tables 1,2,3 and adapt to PURPLE--

Version 2.0

Signature Block

COSC 4351	Name	Signature	Date
SE Team Leader	Javier Rivera		2-11-15
SE SQA	Linh Tong		2-11-15
SE SQA	Paul Miller		2-11-15
SE Team Leader			
SE SQA			
SE SQA			
SE Team Leader			
SE SQA			
SE SQA			

Example Actor: Guest

1. Search Testimonials: A guest is able to search through testimonials at their leisure. Once entering the site they will be presented with a button they must press to see available testimonials. After pressing the button the guest will see a table full of testimonials sorted by date.

Input Form:

Output Report:

Testimony	Date
Customer message Customer message Customer message Customer message	Month\Day\Year
Customer message Customer message Customer message Customer message	Month\Day\Year
Customer message Customer message Customer message Customer message	Month\Day\Year
Customer message Customer message Customer message Customer message	Month\Day\Year

# of Views : 0

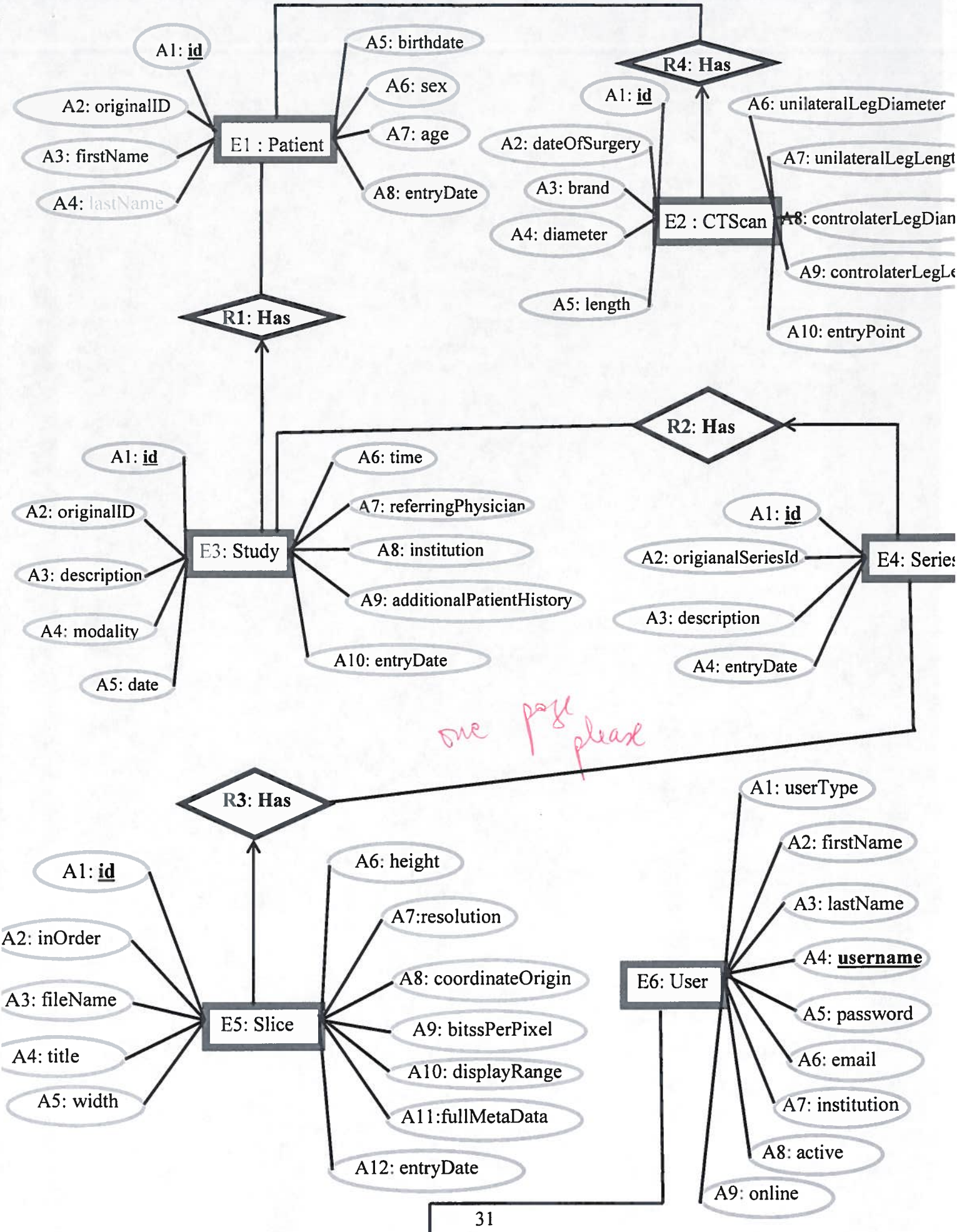
Table of Vs: V # V Name

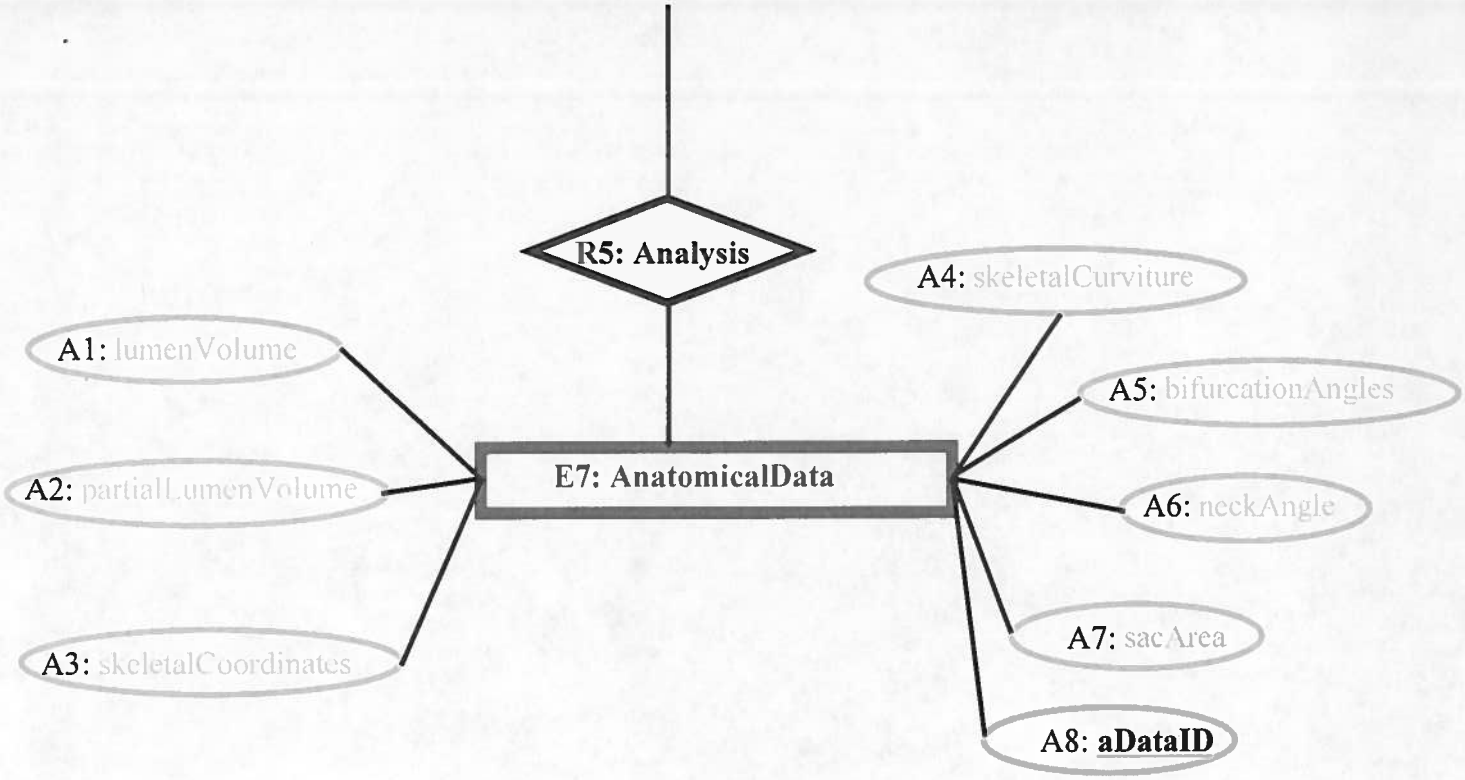
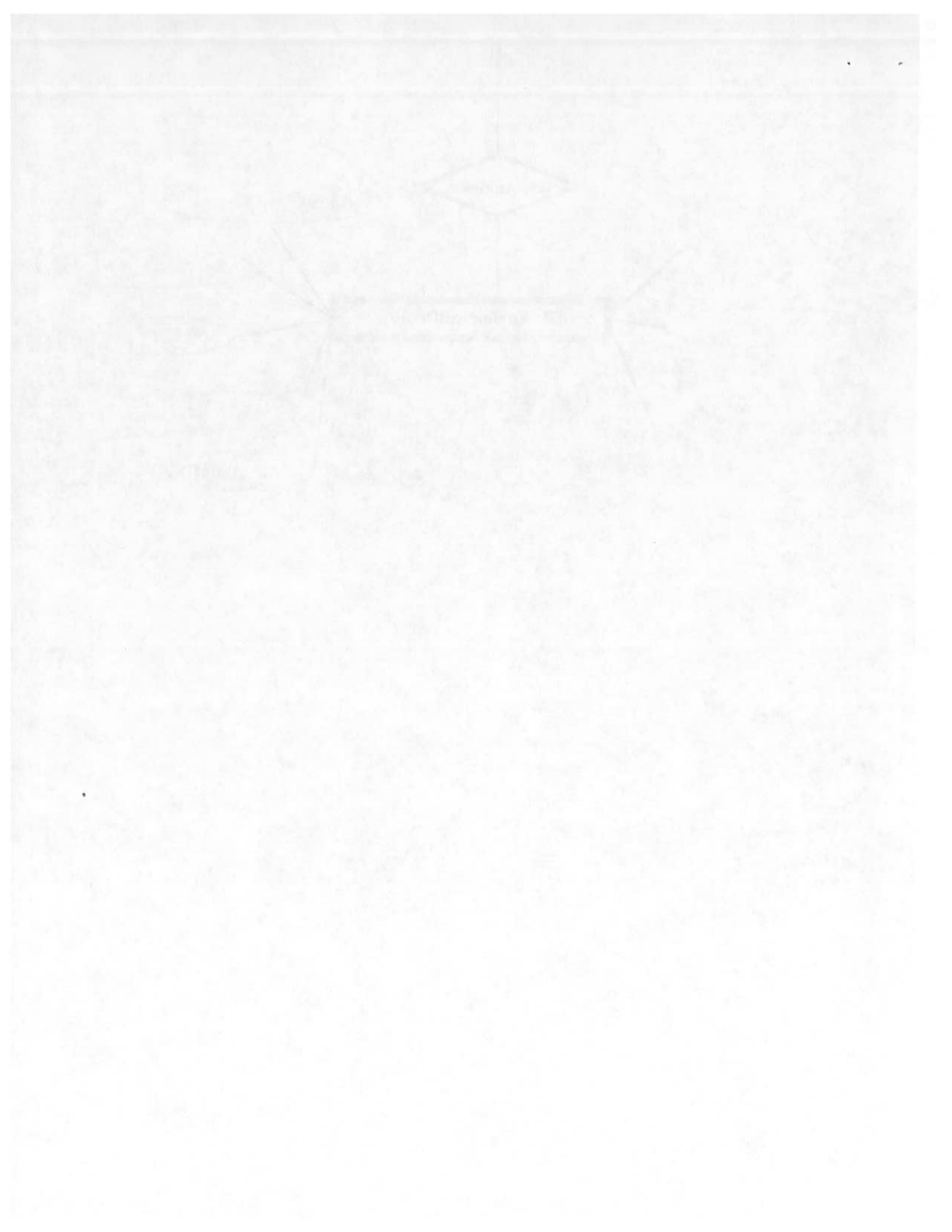
V #	V Name	I/O Attributes

# of Triggers : 1

Table of Ts: **T #** **T Name**

T #	T Name	Attributes
1	Email	


A1: id
A2: originalID
A3: firstName
A4: lastName
A5: birthdate
A6: sex
A7: age
A8: entryDate
E1 : Patient
R1: Has
R4: Has
A1: id
A2: dateOfSurgery
A3: brand
A4: diameter
A5: length
A6: unilateralLegDiameter
A7: unilateralLegLengt
A8: controlaterLegDian
A9: controlaterLegLe
A10: entryPoint
E2 : CTScan
R2: Has
A1: id
A2: originalID
A3: description
A4: modality
A5: date
A6: time
A7: referringPhysician
A8: institution
A9: additionalPatientHistory
A10: entryDate
E3: Study
A1: id
A2: origianalSeriesId
A3: description
A4: entryDate
E4: Series
one page please
R3: Has
A1: id
A2: inOrder
A3: fileName
A4: title
A5: width
A6: height
A7:resolution
A8: coordinateOrigin
A9: bitssPerPixel
A10: displayRange
A11:fullMetaData
A12: entryDate
E5: Slice
A1: userType
A2: firstName
A3: lastName
A4: username
A5: password
A6: email
A7: institution
A8: active
A9: online
E6: User


R5: Analysis
A4: skeletalCurviture
A1: lumenVolume
A5: bifurcationAngles
E7: AnatomicalData
A2: partialLumenVolume
A6: neckAngle
A7: sacArea
A3: skeletalCoordinates
A8: aDataID