

Data Requirements Specification (DRS)

of Es: 6

of Rs: 3

of Vs: 0

of Ts: 0

of Ds: 9 (# of Es + # of Rs)

of Cs: 6 (# of Es + # of Vs + # of Ts)

Approvals Signature Block

	Name	Signature	Date
Customer	Adeline Schwein		
DBA	JESSICA BALANAG	<i>[Signature]</i>	03/09/15
DBA	JOHN LOVELL	<i>[Signature]</i>	3/9/15
TL	OBINWA UGWUZOR	<i>[Signature]</i>	3-9-15
SQA	EDISON GUEVARA	<i>[Signature]</i>	3-9-15
SQA	Shah Zaib	<i>[Signature]</i>	3-9-15

ID	Detail	Entity Set Name	Accessed by Actor(s)	Accessed Type	Line Number
D1	Testimonials shall have the following 3 attributes:	TESTOMONIALS	Visitor		
	Testimonial ID				26
	Testimonial			R	26
	Display Name			R	26
D2	Patients shall have the following 8 attributes:	PATIENT	Technician, Doctor, Administrator, SuperAdministrator		
	patientID			R, w, query	225
	patientOrID			R, w, query	226
	firstName			R, w, query	228
	lastName			R, w, query	230
	birthdate			R, w, query	232
	sex			R, w, query	234
	Age			R, w, query	236
	entryDate			R, w, query	238
D3	Series shall have the following 14 attributes:	SERIES	Technician, Doctor, Administrator, SuperAdministrator		
	CTid			R, w, query	238
	dateOfSurgery			R, w, query	239
	brand			R, w, query	240
	diameter			R, w, query	241
	length			R, w, query	242
	unilateralLegDiameter			R, w, query	243
	unilateralLegLength			R, w, query	244
	controlaterLegDiameter			R, w, query	245
	controlaterLegLength			R, w, query	246
	entryPoint			R, w, query	247
	seriesID			R, w, query	269
	seriesOrID			R, w, query	270
	seriesDescription			R, w, query	272
	seriesEntryDate			R, w, query	274
D4	STUDY shall have the following 10 attributes	STUDY	Technician, Doctor, Administrator, SuperAdministrator		
	studyID			R, w, query	249
	studyOrID			R, w, query	250
	studyDescription			R, w, query	252
	modality			R, w, query	254
	date			R, w, query	255
	time			R, w, query	257
	referringPhysician			R, w, query	259
	institution			R, w, query	262

	additionalPatientHistory			R, w, query	264
	entryDate			R, w, query	267
D5	SLICE shall have the following 10 attributes	SLICE	Technician, Doctor, Administrator, SuperAdministrator		
	sliceID			R, w, query	276
	inOrder			R, w, query	277
	title			R, w, query	279
	width			R, w, query	280
	height			R, w, query	281
	resolution			R, w, query	282
	coordinateOrigin			R, w, query	283
	bitsPerPixel			R, w, query	284
	displayRange			R, w, query	285
	fullMetaData			R, w, query	286
D6	USER shall have the following 9 attributes	USER	Administrator, SuperAdministrator		
	firstName			R, w, query	308
	lastName			R, w, query	309
	username			R, w, query	310
	password			R, w, query	311
	email			R, w, query	312
	institution			R, w, query	313
	active			R, w, query	315
	Online			R, w, query	316
	role			R, w, query	289
D7	Study belongs to Patient, 0 attributes	STUDY	Technician, Doctor, Administrator, SuperAdministrator	R, w, query	248
D8	Series belongs to Patient, 0 attributes	SERIES	Technician, Doctor, Administrator, SuperAdministrator	R, w, query	268
D9	Slice belongs to series, 0 attributes	SLICE	Technician, Doctor, Administrator, SuperAdministrator	R, w, query	275

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TABLE 2: Constraints

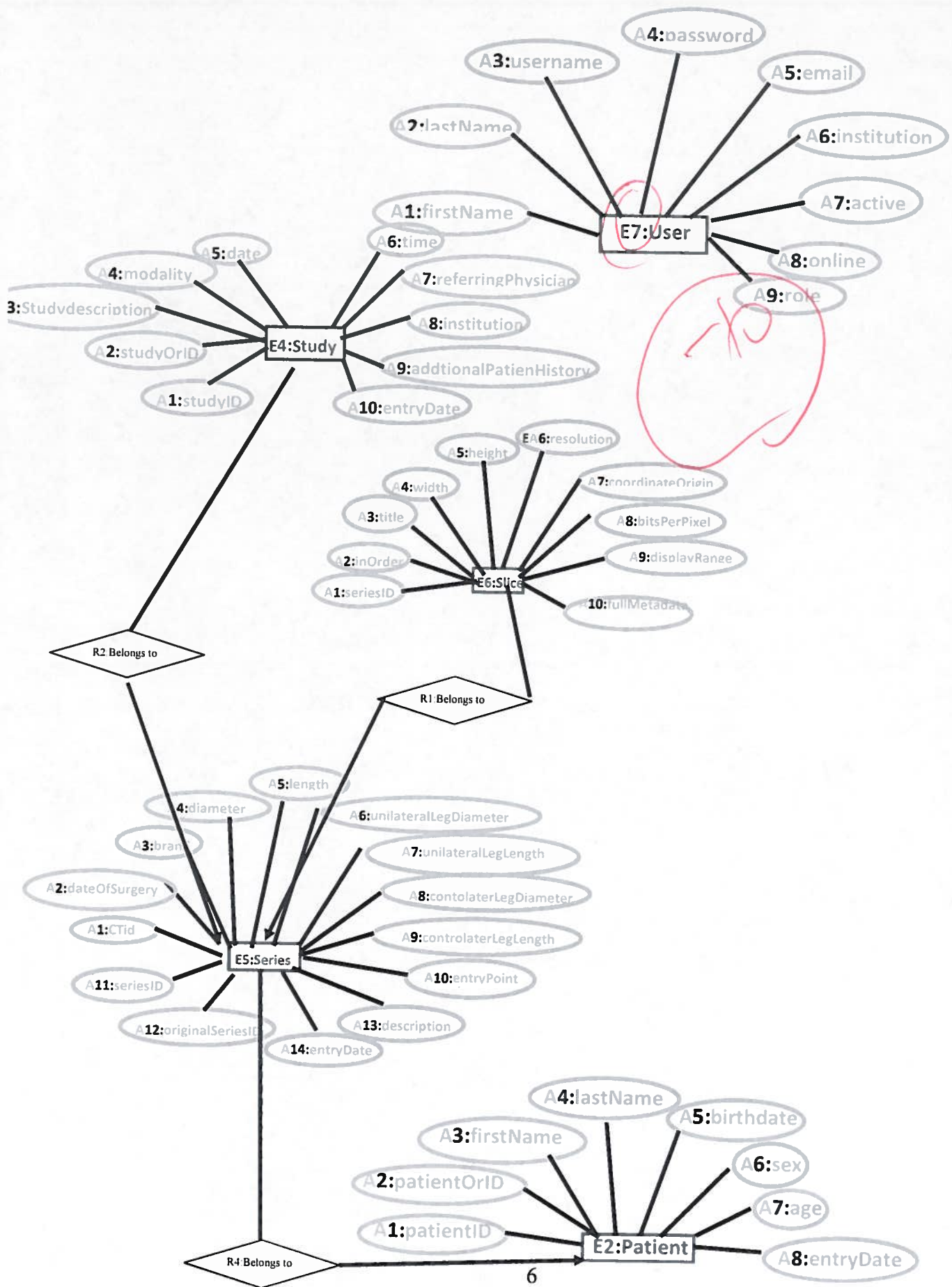
Create **Constraints** that specify the constraints that need to be enforced. Example are the **PK** constraints, **CHI** constraints, **ASSERT** constraints, **views**, **triggers**, **stored procedures/functions** (name, the actual parameters **INI** parameters **OUTPUT** parameters).

COORDINATE with the **Team Leader** and their **SRS** (Software Requirements Specification, placed in **SVN**).

TABLE 2: Constraints

ID	Detail	Entity Set Name	Constraint
C1	A1:testimonial	E1:TESTIMONIAL	Primary Key
C2	A1:patientID	E2:PATIENT	Primary Key
C3	A1:CTid	E3:SERIES	Primary Key
C4	A1:studyID	E4:STUDY	Primary Key
C5	A1:sliceID	E5:SLICE	Primary Key
C6	A1:username	E6:USER	Primary Key





↓ new page

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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	DBA Jessica	03/03/2015	Complete Constraints

	Balanag		
1.B	DBA John Loveall	03/03/2015	Complete Data Requirements and edit ERD (if necessary)
1.X	SQA Edison Guevara	03/04/2015	Review Document
1.Y	SQA Shah Zaib	03/04/2015	Review Document

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

Revision	Name	Completed Date	Description example
1.A	DBA Jessica Balanag	03/04/2015	I completed Constraints, fixed the # of C's
1.B	DBA John Loveall	3/4/2015	Completed data requirements portion, copied the ERD over, and fixed ERD issues
1.X	SQA Edison Guevara	03/04/2015	I reviewed Document
1.Y	SQA Shah Zaib	03/04/2015	I reviewed Document

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

Revision	Name	Due Date	Description
2.0	TL Obinna Ugwuzor	03/09/2015	I changed Version to 2.0

DOCUMENT STORAGE

This file is stored in SVN at <https://svn.cs.uh.edu/svn/cosc4351/team5/DB TEAM PROJECT DELIVERABLES/Data Requirements Specification.doc>.