DATA BASE LAB PROJECT

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Submitted By:

Abeeha Fatima 19i-072

Amna Shafiq 19i-1978

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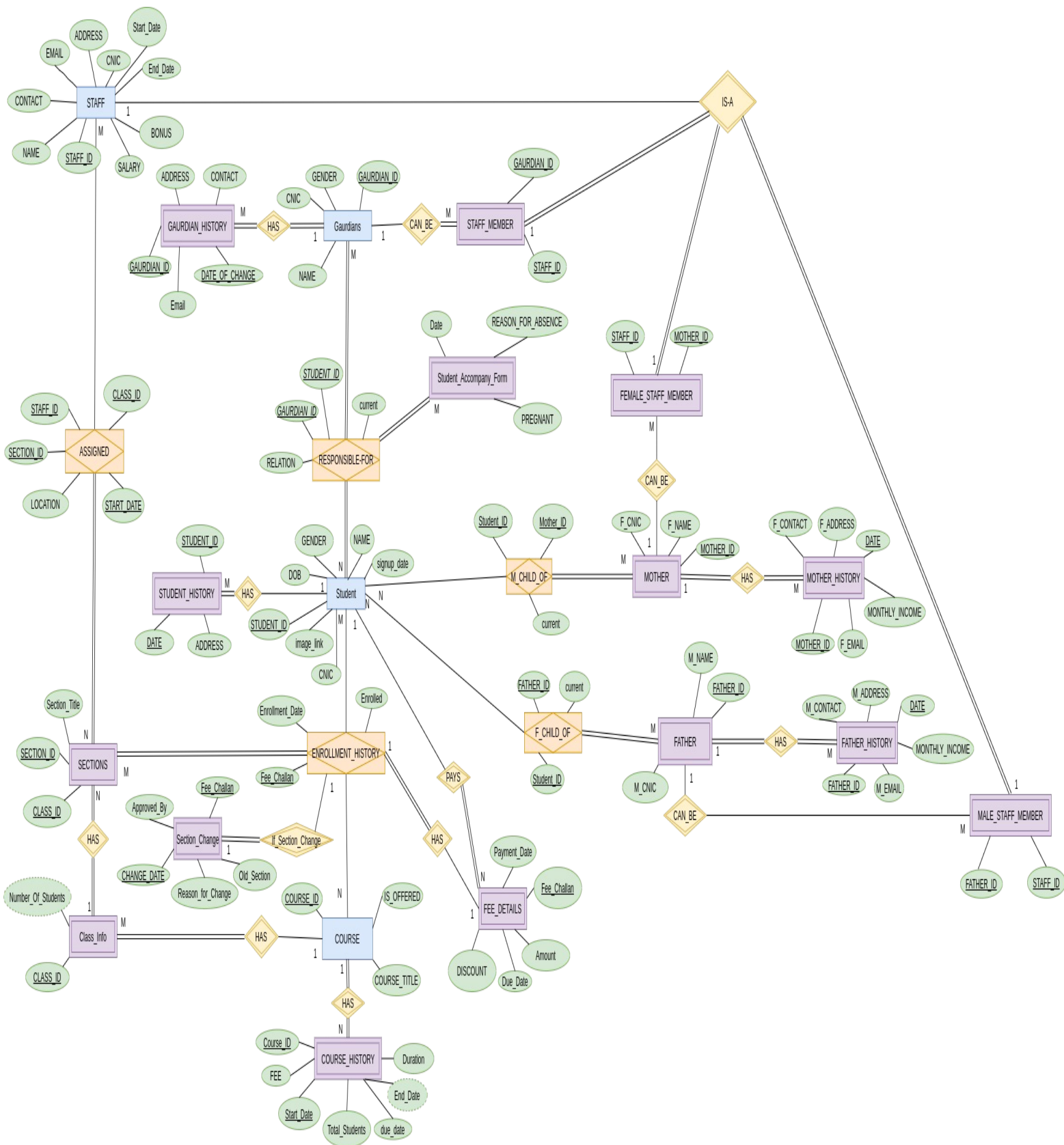
ERD

DATA SETS

[STUDENTS TABLE]

Student_ID	Name	CNIC	Gender	DOB	image_link	signup_dat e
ST0001	Abeeha Fatima	61101-9203943-2	F	17/11/2006	ST0001.jpg	1/1/2018
ST0002	Abdul Samad	61101-8394849-2	M	21/6/2013	ST0002.jpg	1/1/2018
ST0003	Adil Fayyaz	61101-2749384-3	M	19/1/2010	ST0003.jpg	25/12/2017
ST0004	Aleezeh Usman	61101-7389329-7	F	6/11/2007	ST0004.jpg	30/12/2017
ST0005	Faaira Ahmed	61101-1183280-3	F	22/5/2005	ST0005.jpg	15/2/2018
ST0006	Adan Mustafa	61101-0092332-2	M	29/7/2004	ST0006.jpg	5/1/2018
ST0007	Hadiya Shahid	61101-8392838-3	F	2/4/20015	ST0007.jpg	3/1/2018
ST0008	Mavis Hunter	61101-8328392-8	F	13/3/2014	ST0008.jpg	2/1/2018
ST0009	Stiles Stilinski	61101-2323223-3	M	20/5/2010	ST0009.jpg	1/1/2018
ST0010	Scott McCall	61101-2219832-0	M	23/4/2009	ST0010.jpg	2/1/2018
ST0011	Tobias Eaton	61101-8392839-7	M	4/2/2011	ST0011.jpg	2/1/2018
ST0012	Matthew Daddario	61101-8938287-3	M	17/3/2006	ST0012.jpg	28/12/2017
ST0013	Lydia Martin	61101-8392732-2	F	10/1/2008	ST0013.jpg	30/12/2017
ST0014	Shagufta Shakir	61101-9082937-2	F	21/6/2013	ST0014.jpg	29/12/2017
ST0015	Talina Taimour	61101-3287438-2	F	5/12/2004	ST0015.jpg	18/1/2019
ST0016	Rajjaar Abdul Rehman	61101-3728424-3	M	12/10/2004	ST0016.jpg	29/12/2018
ST0017	Faaira Ahmed	61101-8372832-4	F	22/5/2005	ST0017.jpg	5/1/2019
ST0018	Aliya Bangash	61101-9372842-2	F	19/12/2008	ST0018.jpg	29/12/2018
ST0019	Abdul Samad	61101-8372834-3	M	7/9/2004	ST0019.jpg	28/12/2019
ST0020	Komal Farrukh	61101-8362637-2	F	6/8/2012	ST0020.jpg	30/12/2019

Course_ID	Course_Title	Is_Offered
GRM101	Grooming	1
ISL001	Islamic Studies	0
ETH111	Ethics	0
DPR006	Depression	0
FMG102	Family Management	0
HEC001	Home Economics	0
CLY101	Culinary Arts	0

SEM001	Sewing and Embroidery	0

[Student_History]

Student_ID	Date	Address
ST0001	1/1/2018	SECTOR # F11,STREET 10,HOUSE 40
ST0002	1/1/2018	H#D-4,Street 5,RWP
ST0003	25/12/2017	SECTOR # I10,STREET 45,HOUSE 30
ST0004	30/12/2017	SECTOR # H10,STREET 4,HOUSE 401
ST0005	15/2/2018	SECTOR # G11,STREET 8,HOUSE 403
ST0006	5/1/2018	SECTOR # G6,STREET 11,HOUSE 7
ST0007	3/1/2018	H#F-20,Street 5,RWP
ST0008	2/1/2018	H#B-20,Street 1,RWP
ST0009	1/1/2018	H#B-11,Street 2,RWP
ST0010	2/1/2018	H#C-5,Street 10,ISB
ST0011	2/1/2018	SECTOR # I8,STREET 31,HOUSE 987
ST0012	28/12/2017	H#E-8,Street 3,RWP
ST0013	30/12/2017	H#A-2,Street 4,RWP
ST0014	29/12/2017	H#C-20,Street 7,ISB
ST0015	18/1/2019	H#D-12,Street 7,ISB
ST0016	29/12/2018	H#G-9,Street 19,ISB
ST0017	5/1/2019	H#E-12,Street 9,RWP
ST0018	29/12/2018	H#X-30,Street 4,RWP
ST0019	28/12/2019	H#A-6,Street 11,ISB
ST0020	30/12/2019	H#F-1,Street 10,DHA, Islamabad
ST0013	1/1/2020	H#B-11,Street 2, E7,Islamabad
ST0009	5/3/2020	H#Z-1,Street 10,ISB
ST0014	9/2/2020	H#C-20,Street 7,ISB
ST0015	23/5/2020	SECTOR # H11,STREET 98,HOUSE 74

[COURSE TABLE]

ITO101	IT/Microsoft Office	0
MUS111	Music	0
ENV101	Environmental Studies	0

[CLASS TABLE]

CLASS_ID	COURSE_ID
1	GRM101
2	GRM101

3	GRM101
4	GRM101
5	GRM101
6	GRM101

[SECTION TABLE]

CLASS_ID	SECTION_ID	SECTION_TITLE
1	GR-B	Green - Boys
1	BL-G	Blue - Girls
1	YW-B	Yellow - Boys
1	YW-G	Yellow-Girls
2	GR-B	Green - Boys
2	BL-G	Blue - Girls
2	YW-B	Yellow - Boys
2	YW-G	Yellow - Girls
3	GR-B	Green - Boys
3	BL-G	Blue - Girls
3	YW-B	Yellow - Boys
3	YW-G	Yellow - Girls
4	GR-B	Green - Boys
4	BL-G	Blue - Girls
4	YW-B	Yellow - Boys
4	YW-G	Yellow - Girls
5	GR-B	Green - Boys
5	BL-G	Blue - Girls
5	YW - B	Yellow - Boys
5	YW - G	Yellow - Girls
6	GR-B	Green - Boys
6	BL-G	Blue - Girls
6	YW-B	Yellow - Boys
6	YW-G	Yellow - Girls

[COURSE_HISTORY TABLE]

COURSE_ID	Start_Date	Due_Date	Total_Student s	Fee	Duration
ETH111	1/1/2018	15/1/2018	45	100	2
GRM101	3/3/2018	15/3/2018	40	100	3
ISL001	15/6/2018	30/6/2018	50	100	3

CLY111	1/10/2018	15/10/2018	50	150	2
DPR006	1/1/2019	15/1/2019	43	100	4
FMG102	3/4/2019	15/4/2019	53	100	3
HEC001	5/7/2019	20/7/2019	50	100	2
ETH111	15/9/2019	30/9/2019	50	100	3
SEM001	1/1/2020	15/1/2020	47	100	2
ITO101	3/3/2020	15/3/2020	55	150	2
GRM101	5/5/2020	15/5/2020	48	150	2
ENV101	10/7/2020	20/7/2020	53	100	3
GRM101	15/10/2020	30/10/2020	52	100	2

[ASSIGNED TABLE]

STAFF_ID	SECTION_ID	CLASS_ID	START_DATE	LOCATION
STF004	GR-B	1	30/4/2020	Room 001
STF001	BL-G	1	30/4/2020	Room 001
STF015	GR-B	2	30/4/2020	Room 002
STF015	BL-G	2	30/4/2020	Room 101
STF015	GR-B	3	30/4/2020	Room 104
STF015	BL-G	3	30/4/2020	Room 004
STF004	GR-B	4	30/4/2020	Room 101
STF008	BL-G	4	30/4/2020	Room 002
STF012	GR-B	5	30/4/2020	Room 002
STF010	BL-G	5	30/4/2020	Room 103
STF001	GR-B	6	30/4/2020	Room 003
STF011	BL-G	6	30/4/2020	Room 104
STF002	GR-B	1	10/7/2020	Room 001
STF011	BL-G	1	10/7/2020	Room 101
STF002	GR-B	2	10/7/2020	Room 001
STF017	BL-G	2	10/7/2020	Room 102
STF017	GR-B	3	10/7/2020	Room 103
STF005	BL-G	3	10/7/2020	Room 003
STF014	GR-B	4	10/7/2020	Room 004

STF010	BL-G	4	10/7/2020	Room 101
STF001	GR-B	5	10/7/2020	Room 002
STF013	BL-G	5	10/7/2020	Room 004
STF001	GR-B	6	10/7/2020	Room 104
STF011	BL-G	6	10/7/2020	Room 002
STF001	GR-B	1	15/10/2020	Room 104
STF002	BL-G	1	15/10/2020	Room 104
STF016	GR-B	2	15/10/2020	Room 102
STF001	BL-G	2	15/10/2020	Room 003
STF008	GR-B	3	15/10/2020	Room 004
STF017	BL-G	3	15/10/2020	Room 104
STF013	GR-B	4	15/10/2020	Room 103
STF001	BL-G	4	15/10/2020	Room 101
STF001	GR-B	5	15/10/2020	Room 004
STF013	BL-G	5	15/10/2020	Room 101
STF001	GR-B	6	15/10/2020	Room 002
STF011	BL-G	6	15/10/2020	Room 001

[GAURDIAN TABLE]

Guardian_ID	Name	Gender	CNIC
G01	Batool Jafari	F	61101-768273-3
G02	Rafay Rashed	M	61101-234523-5
G03	Gal Gadot	F	61101-234565-4
G04	Tim Parker	M	42405-545554-4
G05	Lindy James	F	61101-445454-4
G06	Samantha Yan	F	42403-468765-5
G07	Kate Jen	F	42409-994949-4
G08	Saral Gilani	F	42407-628484-9
G09	Maimona Khan	F	61101-345434-4
G10	Kanwal Niazi	F	42409-384999-3
G11	Saad Aftab	M	42409-839845-4
G12	Ashar Ahmed	M	61101-345435-3
G13	Syed Raahim	M	42409-384398-8
G14	Fahad Nasir	M	44013-895999-4
G15	Hasan Mahmood	M	44019-389345-9
G16	Kim Muller	F	61101-667755-5
G17	Quan Tran	M	44010-088938-9
G18	Saheel Qureshi	M	42408-498489-9
G19	Kaitlyn Megan	F	61101-676763-4
G20	Jenna Park	F	44013-454444-4

GUARDIAN HISTORY

Gaurdian_ID	Date	Address	Email	Contact
G01	10/03/2019	H#B-5,Street 5, E10,Islamabad	batss@gmail.com	0332-7373281
G01	10/05/2020	H#B-5,Street 5, E10,Islamabad	emailbat@gmail.com	0334-2442421
G02	10/05/2020	H#B-4,Street 5, E10,Islamabad	rafayrr@gmail.com	0343-4232222
G02	11/12/2020	H#A-10,Street 15, F11,Islamabad	rafayrr@gmail.com	0343-4232222
G02	31/12/2020	H#A-10,Street 15, F11,Islamabad	R1r23@gmail.com	0332-3239482
G03	1/01/2019	H#F-6,Street 8, Chaklala,RWP	galgad@gmail.com	0337-8278827
G04	2/02/2020	H#P-8,Street 202,DHA, Islamabad	timy@gmail.com	0311-2434343
G05	12/12/2020	H#A-62,Street 4, Chaklala,RWP	Lindd32@gmail.com	0344-5483833
G06	7/08/2019	H#A-1,Street 34,DHA, Islamabad	sammy@gmail.com	0317-7727273
G07	4/03/2019	H#P-8,Street 7,DHA, Islamabad	katess@yahoo.com	0333-1231235
G08	12/12/2020	H#B-10,Street 1, E11,Islamabad	saralgg@gmail.com	0335-6789492
G09	31/05/2020	H#X-23,Street 7,DHA, Islamabad	maimaim@yahoo.com	0334-9094445
G10	1/10/2020	H#M-90,Street 23, Chaklala,RWP	kanwalzz@yahoo.com	0336-5478902
G10	2/10/2020	H#M-90,Street 23, Chaklala,RWP	kanwalzz@yahoo.com	0336-5478202
G11	3/09/2019	H#G-9,Street 70,DHA, Islamabad	sadboi@gmail.com	0335-6229003
G12	4/05/2020	H#P-85,Street 71,DHA, Islamabad	usher@gmail.com	0334-1234532
G13	5/05/2020	H#B-11,Street 2, E7,Islamabad	smzen@gmail.com	0333-4989831
G14	17/06/2019	H#P-23,Street 7,DHA, Islamabad	tofs@hotmail.com	0339-9939993
G15	4/03/2019	H#P-8,Street 7,DHA, Islamabad	hasss@gmail.com	0345-6464615
G16	17/06/2019	H#J-21,Street 14, Chaklala,RWP	Kimy_t@gmail.com	0333-3333317
G17	2/02/2020	H#P-1,Street 45,DHA, Islamabad	QGTran@gmail.com	0333-3646669
G18	12/12/2020	H#R-23,Street 8, Chaklala,RWP	Sahil@gmail.com	0334-3334349
G19	5/05/2020	H#P-43,Street 9,DHA, Islamabad	twokate@gmail.com	0358-5858859
G20	11/12/2020	H#F-1,Street 10,DHA, Islamabad	Jennass@hotmail.com	0343-8888384
G20	12/12/2020	H#F-2,Street 10,DHA, Islamabad	Jens@hotmail.com	0343-8888384

G20	13/12/2020	H#F-1,Street 10,DHA, Islamabad	Jennass@hotmail.com	0343-8778384

RESPONSIBLE_FOR

Student_ID	Guardian_ID	Relation	Current
ST0001	G01	Maternal Aunt	1
ST0002	G02	Grand Father	1
ST0002	G03	Grand Mother	0
ST0002	G04	Maternal Uncle	0
ST0003	G03	Cousin	1
ST0004	G04	Maternal Uncle	1
ST0004	G05	Paternal Uncle	0
ST0005	G06	Grand Mother	1
ST0006	G07	Paternal Aunt	1
ST0007	G08	Sister	1
ST0008	G09	Sister	1
ST0009	G10	Grand Mother	1
ST0010	G10	Grand Mother	1
ST0011	G11	Brother	1
ST0012	G12	Cousin	1
ST0013	G13	Care-Taker	1
ST0014	G14	Brother	1
ST0015	G15	Paternal Uncle	1
ST0016	G16	Sister	1
ST0017	G17	Cousin	1
ST0018	G18	Cousin	1
ST0019	G19	Paternal Aunt	1
ST0020	G20	Care-Taker	1
ST0019	G20	Care-Taker	0
ST0010	G20	Care-Taker	0

STUDENT_ACCOMPANY_FORM

Acc_Form_No	Student_ID	Guardian_ID	Date	Pregnant	Reason
FORM001	ST0001	G01	01/02/2020	1	Parents Away on Vacation
FORM002	ST0002	G02	10/05/2020	0	Family death
FORM003	ST0002	G02	15/12/2020	0	At work
FORM004	ST0006	G07	04/04/2019	1	At the hospital
FORM005	ST0010	G10	04/11/2020	0	Family death
FORM006	ST0001	G01	01/12/2020	0	Parents Ill
FORM007	ST0004	G05	13/12/2020	0	Family death
FORM008	ST0016	G16	21/12/2020	1	Had an Emergency
FORM009	ST0018	G18	12/12/2020	0	Parents Away on Vacation
FORM010	ST0019	G19	05/06/2020	0	Went for Shopping
FORM011	ST0019	G20	15/12/2020	1	Family death

[STAFF_MEMBER]

Guardian_ID	Staff_ID
G02	STF001

G03	STF004
G06	STF006
G12	STF014
G15	STF003

Fee_Details:

Student_ID	Fee_challan	Amount	Discount	Due_Date	Payment_Date
ST0001	FC0001	150	10	15/05/2020	03/05/2020
ST0003	FC0002	150	0	15/05/2020	28/04/2020
ST0011	FC0003	150	0	15/05/2020	01/02/2020
ST0016	FC0004	100	0	15/01/2020	01/01/2020
ST0020	FC0005	150	100	15/05/2020	01/05/2020
ST0006	FC0006	150	13	15/05/2020	30/04/2020
ST0009	FC0007	100	0	15/05/2020	01/03/2020
ST0006	FC0008	150	0	15/05/2020	01/02/2020
ST0014	FC0009	150	0	15/05/2020	01/04/2020
ST0017	FC0010	150	100	15/05/2020	02/04/2020
ST0012	FC0011	150	0	15/05/2020	28/04/2020
ST0013	FC0012	150	5	15/03/2020	10/02/2020
ST0015	FC0013	100	15	20/07/2020	01/03/2020
ST0018	FC0014	100	0	15/01/2019	05/01/2020
ST0019	FC0015	150	17	15/05/2020	02/05/2020
ST0008	FC0016	150	100	15/05/2020	28/04/2020
ST0002	FC0017	150	0	15/05/2020	01/04/2020
ST0005	FC0018	150	0	15/05/2020	30/04/2020
ST0007	FC0019	150	5	15/05/2020	30/04/2020
ST0010	FC0020	150	0	15/05/2020	15/04/2020
ST0004	FC0023	150	0	15/05/2020	28/04/2020
ST0001	FC0021	150	10	15/03/2020	03/02/2020
ST0013	FC0022	150	5	15/05/2020	10/04/2020
ST0011	FC0024	100	0	15/03/2020	01/02/2020

Enrollment_History:

Student_ID	Course_ID	Section_ID	Class_ID	Fee_Challan	Enrolled	Enrollment_Date
ST0001	GRM101	BL-G	5	FC0001	1	03/05/2020
ST0001	ITO101	BL-G	1	FC0021	0	03/02/2020
ST0003	GRM101	GR-B	4	FC0002	1	28/04/2020
ST0004	GRM101	BL-G	4	FC0023	1	28/04/2020
ST0005	GRM101	BL-G	6	FC0018	1	30/04/2020
ST0006	GRM101	GR-B	3	FC0006	1	30/04/2020
ST0007	GRM101	BL-G	1	FC0019	1	30/04/2020
ST0008	GRM101	BL-G	2	FC0016	1	28/04/2020
ST0009	FMG102	BL-G	3	FC0007	0	01/03/2020
ST0010	GRM101	GR-B	3	FC0020	1	15/04/2020
ST0011	GRM101	GR-B	3	FC0003	1	01/02/2020
ST0012	GRM101	GR-B	5	FC0011	1	28/04/2020
ST0013	IT101	BL-G	6	FC0012	0	01/03/2020
ST0013	GRM101	BL-G	6	FC0022	1	10/04/2020
ST0009	ENV101	BL-G	5	FC0025	0	02/05/2020

ST0014	GRM101	BL-G	2	FC0009	1	01/04/2020
ST0020	GRM101	BL-G	3	FC0005	1	01/05/2020
ST0015	ENV101	GR-B	4	FC0013	0	02/05/2020
ST0019	GRM101	GR-B	6	FC0015	1	02/05/2020
ST0018	DPR006	GR-B	4	FC0014	0	05/01/2020
ST0016	SEM001	BL-G	4	FC0004	0	01/01/2020
ST0017	GRM101	BL-G	6	FC0010	1	02/04/2020
ST0011	ITO101	GR-B	1	FC0024	0	01/02/2020

Father:

Father_Name	Father_ID	CNIC
Arshad Ahmed	FT0001	61101-3894291-5
Travis Scott	FT0002	61101-8730412-9
Ali Usman	FT0003	42202-8730282-7
Danial Tahir	FT0004	23321-2309382-8
Faiz Ahmed	FT0005	23321-3839013-1
Tahir Shah	FT0006	61101-9211737-4
Ali khan	FT0007	61101-8112694-7
Ahmed Shah	FT0008	42202-1723539-2
Usama Shah	FT0009	11061-8762342-7
Taimour Khan	FT0010	11061-2768231-1
Imran Khan	FT0011	11061-2798322-3
Ahsan Ali	FT0012	11061-8623424-6
Abdur Ali	FT0013	42202-2386492-3
Hassan Dar	FT0014	23321-7687211-6
Abdullah Ali	FT0015	42202-7861233-4
Bilal Shahid	FT0016	23321-2762132-1

Father_History:

Father_ID	Contact_No	Email	Address	Date
FT0001	0321-2983751	ArshadAhmed@gmail.com	H#F-20,Street 5,RWP	01/02/2020
FT0002	0320-3990701	TravisScott@gmail.com	H#B-20,Street 1,RWP	01/03/2020
FT0003	0321-6283901	AliUsman@gmail.com	H#B-11,Street 2,RWP	01/02/2020
FT0004	0324-3673911	DanialTahir@gmail.com	H#C-5,Street 10,ISB	01/01/2020
FT0005	0323-2301832	FaizAhmed@gmail.com	H#D-4,Street 5,RWP	01/03/2020
FT0006	0321-3092813	TahirShah@gmail.com	H#E-8,Street 3,RWP	01/01/2020
FT0007	0330-9832842	Alikhan@gmail.com	H#A-2,Street 4,RWP	01/12/2019
FT0008	0331-3240982	AhmedShah@gmail.com	H#B-9,Street 11,RWP	01/02/2020
FT0009	0320-9080234	UsamaShah@gmail.com	H#Z-1,Street 10,ISB	01/02/2020
FT0010	0321-3240924	TaimourKhan@_gmail.com	H#C-11,Street 6,RWP	01/03/2020

FT0010	0324-8794023	TaimourKhan11@gmail.com	H#C-20,Street 7,ISB	20/04/2020
FT0012	0324-3470084	AhsanAli@_gmail.com	H#D-12,Street 7,ISB	01/01/2020
FT0013	0323-3498080	AbdulAli@_gmail.com	H#A-6,Street 11,ISB	01/03/2020
FT0014	0320-4867004	HassanDar@_gmail.com	H#X-30,Street 4,RWP	01/01/2020
FT0015	0323-9866493	AbdullahAli@_gmail.com	H#G-9,Street 19,ISB	01/12/2019
FT0016	0323-0374987	BilalShahid@gmail.com	H#E-12, Street 9,RWP	01/02/2020
FT0011	0321-2399822	ImranKhan@gmail.com	H#H-8, Street 15, ISB	03/11/2019
FT0006	0321-3092813	TahirShah@gmail.com	H#E-8,Street 3,RWP	01/01/2020
FT0017	0324-3475349	Aamer_Ali@_gmail.com	H#B-13,Street 9,ISB	28/04/2020

F_CHILD_OF:

FATHER_ID	STUDENT_ID	CURRENT
FT0001	ST0007	1
FT0002	ST0008	1
FT0003	ST0009	1
FT0004	ST0010	1
FT0005	ST0002	0
FT0006	ST0012	0
FT0007	ST0013	1
FT0008	ST0013	0
FT0009	ST0009	1
FT0010	ST0014	0
FT0011	ST0003	1
FT0012	ST0015	1
FT0013	ST0019	1
FT0014	ST0018	1
FT0015	ST0016	1
FT0016	ST0017	1
FT0006	ST0023	1

Male_Staff_Member:

Staff_ID	Father_ID
STF001	FT0002
STF002	FT0011
STF003	FT0002

Section_Change:

Fee_Challan	Date	Old_Section	Reason_For_Change	Approved_By
FC0015	14/05/2020	GR-B	Friends in other section	Kashif Munir
FC0023	30/04/2020	BL-G	Clashes	Kashif Munir

STAFF TABLE:

STAFF _ID	NAME	CNI C	ADDRES S	CONTA CT	EM AIL	START_ DATE	END_DA TE	BONU S	SALAR Y
STF00 1	JAWAD AHMED	424 013	SECTOR #	031564 98161	jawa d2@	10/4/20 19	10/6/201 9	5000	5000
		098 498	F11,STRE ET 10,HOUS E 40		gma il.co m				
STF00 2	ADNAN TARIQ	424 013 087 923	SECTOR # I10,STRE ET 45,HOUS E 30	034819 81687	adn an7 @g mail .co m	11/4/20 19	11/7/201 9	10000	10000
STF00 3	ASIF NAEEM	323 019 075 614	SECTOR # F9,STREE T 879,HOU SE 95	031415 58168	asif 73@ gma il.co m	12/5/20 19	11/8/201 9	15000	7000
STF00 4	NOOR- ULAIN	642 531 970 184	SECTOR # H10,STR EET 4,HOUSE 401	032095 36416	noor 98@ gma il.co m	13/6/20 19	14/9/201 9	16000	6000
STF00 5	SHEHR BANO	320 546 901 748	SECTOR # G11,STR EET 8,HOUSE 403	034598 98492	she hr70 @g mail .co m	14/7/20 19	14/10/20 19	17000	12000
STF00 6	TURAB ALI	562 130 972 318	SECTOR # G8,STRE ET 101,HOU SE 97	031295 63178	tura b94 9@g mail .co m	15/8/20 19	15/11/20 19	18000	14000
STF00 7	MAIMONA RASOOL	362 199 094 516	SECTOR # B12,STR EET 845,HOU SE 100	032598 87374	mai mon a66 6@g mail .co m	16/9/20 19	16/12/20 19	19000	17000

STF00 8	TAYYAB KHAN	293 461 087 156	SECTOR # D3,STRE ET 989,HOU SE 1891	031549 87958	tayy ab6 1@g mail .co m	28/1/20 20	28/4/202 0	20000	5000
STF00 9	USMAN ASHRAF	564 978 450 263	SECTOR # H13,STR EET 98,HOUS E 789	031896 43189	usm an3 6@g mail .co m	5/2/201 9	29/5/201 9	21000	13000
STF01 0	SHAMS FAROOQ	549 721 360 979	SECTOR # I8,STREE T 31,HOUS E 987	032698 76149	sha ms9 4@g mail .co m	25/5/20 19	25/7/202 0	22000	9000
STF01 1	ASMAT KHALIDA	852 133 642 318	SECTOR # G9,STRE ET 10,HOUS E 92	031293 64278	asm a49 @g mail .co m	15//201 9	15/11/20 19	18000	14000
STF01 2	KULSOOM AHMED	312 369 094 516	SECTOR # B1,STRE ET 85,HOUS E 10	032593 68774	kuls oom 66@ gma il.co m	16/8/20 19	16/12/20 19	19000	17000
STF01 3	MURTAZA RASHEED	293 496 317 156	SECTOR # D5,STRE ET 99,HOUS E 181	031541 45358	rash eed 61@ gma il.co m	27/11/2 019	28/4/201 9	20000	5000
STF01 4	AIMAN ZARA	564 394 617 852	SECTOR # H23,STR EET 8,HOUSE 89	031893 47189	aim an3 6@g mail .co m	5/4/201 9	29/8/201 9	21000	13000
STF01 5	RASHIDA KHAN	549 764 218 001	SECTOR # G4,STRE ET 1,HOUSE 97	032697 96149	rash ida9 4@g mail .co m	25/6/20 19	25/10/20 19	22000	9000

FEMALE STAFF MEMBER TABLE:

MOTHER_ID	STAFF_ID

M001	STF004
M002	STF005
M003	STF007
M004	STF011
M005	STF014
M006	STF015

MOTHER HISTORY:

MOTHER_ID	DATE	F_CONTACT	F_EMAIL	F_ADDRESS	MONTHLY_INCOME
M001	10-03-19	03002614564	batss@gmail.com	SECTOR # F11,STREET 10,HOUSE 40	9000
M002	10-05-20	03232615478	batss@gmail.com	SECTOR # I10,STREET 45,HOUSE 30	8000
M003	10-05-20	03122614564	MKrr@gmail.com	SECTOR # F9,STREET 879,HOUSE 95	10000
M001	11-12-20	03614544451	GHHrr@gmail.com	SECTOR # H10,STREET 4,HOUSE 401	9500
M004	31-12-20	03212624813	R1r23@gmail.com	SECTOR # G11,STREET 8,HOUSE 403	10000
M001	1-01-19	03002614564	galgad@gmail.com	SECTOR # G8,STREET 101,HOUSE 97	11000
M002	2-02-20	03002614564	tLZZZ@gmail.com	SECTOR # B12,STREET 845,HOUSE 1100	8500
M004	12-12-20	03212624813	Lindy32@gmail.com	SECTOR # D3,STREET 989,HOUSE 1891	13500
M010	7-08-19	03216639077	samra@gmail.com	SECTOR # H13,STREET 98,HOUSE 789	12000
M009	4-03-19	03426375212	katess@yahoo.com	SECTOR # I8,STREET 31,HOUSE 987	9000
M010	12-12-20	03216639077	saralgg@gmail.com	SECTOR # G8,STREET 101,HOUSE 97	6000
M007	31-05-20	03912552478	maimaim@yahoo.com	SECTOR # B12,STREET 845,HOUSE 1100	10000

M005	1-10-20	03425711611	kanwalzz@yahoo.com	SECTOR # F10,STREET 980,HOUSE 181	10500
M006	1-10-20	03524594858	kanwalzz@yahoo.com	SECTOR # H11,STREET 98,HOUSE 74	9000
M008	3-09-19	03212624813	sadboi@gmail.com	SECTOR # I10,STREET 7,HOUSE 9	9700
M005	4-05-20	03427656647	usher@gmail.com	SECTOR # G6,STREET 11,HOUSE 7	10500
M006	5-05-20	03212513527	smzen@gmail.com	SECTOR # B11,STREET 888,HOUSE 110	6500
M008	17-06-19	03432550426	tofs@hotmail.com	SECTOR # G5,STREET 15,HOUSE 97	9800
M0010	4-03-19	03427656647	hasss@gmail.com	SECTOR # H12,STREET 85,HOUSE 110	12000
M007	17-06-19	03221650852	Kimy_t@gmail.com	SECTOR # D8,STREET 98,HOUSE 18	11500

M_CHILD_OF

Mother_ID	Student_ID	Current
M001	ST0001	1
M002	ST0003	1
M003	ST0002	0
M001	ST0004	1
M004	ST0005	0
M001	ST0003	0
M004	ST0005	1
M010	ST0012	1
M009	ST0011	1
M010	ST0012	1
M007	ST0013	1
M005	ST0014	0
M006	ST0015	1

M008	ST0016	1
M005	ST0006	1
M006	ST0007	1
M008	ST0008	1
M0010	ST0009	0
M007	ST0010	1

MOTHER_TABLE

MOTHER_ID	F_NAME	F_CNIC
M001	MADIHA KOKAR	4240136251987
M002	NABEELA KHAN	4230154923187
M003	KOMAL AFTAB	4248631009746
M004	QIRAT AHMED	3240131558719
M005	SABA AAMIR	6110136515498
M006	TEHREEM RASHID	5213964005751
M007	MAIMOONA KHAN	3230164319751
M008	ZAINAB BATOOL	4230164319756
M009	HURRIYA NASIR	9110136412236
M010	GHALIYAH SIDDIQUI	3110136411287

RELATIONAL MAPPING

Staff_ID	Name	CNIC	Email	Address	Contact	Salary	Bonus	Start_Date	End_Date

Staff_ID	Class_ID	Section_ID	Assignment_Date	Location

[Assigned Table]

Father_ID	Staff_ID

[Male_Staff_Member Table]

Father_ID	M_Name	M_CNIC

[Father Table]

Father_ID	Date	M_email	M_contact	M_Address	Monthly_Income

Father_History Table]

Mother_ID	Staff_ID

[Female_Staff_Member Table]

Mother_ID	F_Name	F_CNIC

[Mother Table]

Mother_ID	Date	F_email	F_contact	F_Address	Monthly_Income

[Mother_History Table]

Gaurdian_ID	Staff_ID

[Staff_Member Table]

Gaurdian_ID	CNIC	Name	Gender

[Gaurdian Table]

Gaurdian_ID	Student_ID	Address	Relation	Contact	Date	Email

[Responsible-For Table]

Gaurdian_ID	Student_ID	Date	Reason_for_Absence	Pregnant

[Student_Accompany Table]

Student_ID	Name	CNIC	Gender	DOB	image_link	signup_date

[Student Table]

Fee_Challan	Student_ID	Course_ID	Class_ID	Section_ID	Enrollment_Date	Enrolled

[Enrollment_History Table]

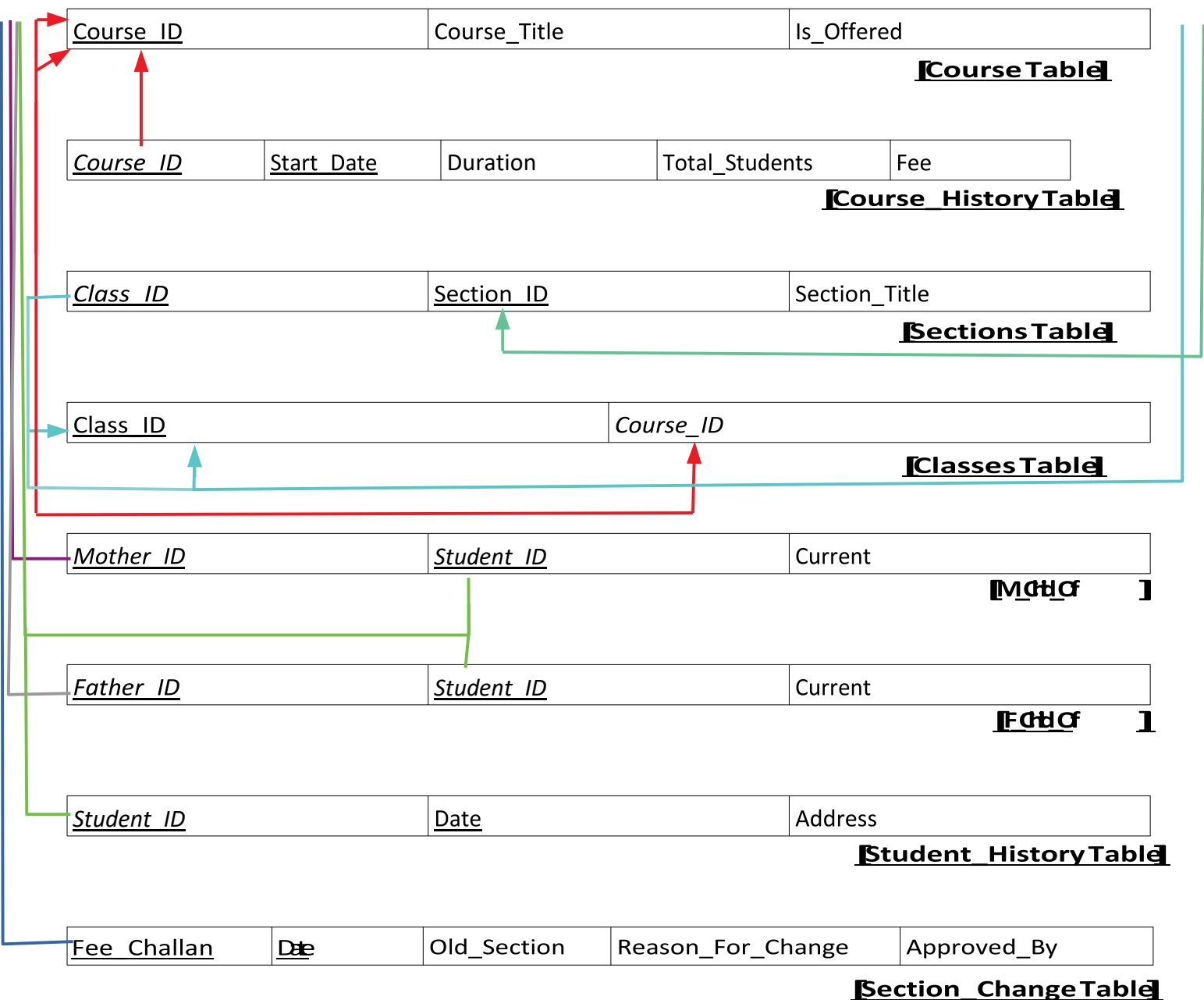| Fee_Challan	Student_ID	Amount	Discount	Payment_Date	Due_Date

[Fee_Details Table]

Course_ID	Course_Title	Is_Offered

[Course Table]

Course_ID	Start_Date	Duration	Total_Students	Fee

[Course_History Table]

Class_ID	Section_ID	Section_Title

[Sections Table]

Class_ID	Course_ID

[Classes Table]

Mother_ID	Student_ID	Current

[Mother Of]

Father_ID	Student_ID	Current

[Father Of]

Student_ID	Date	Address

[Student_History Table]

Fee_Challan	Date	Old_Section	Reason_For_Change	Approved_By

[Section_Change Table]

TABLE DESCRIPTIONS

Students Table

Student_ID	Unique ID to identify student information	INDX U	VARCHAR2(6)	For example: ST0001, ST0002
Name	Simple Attribute	NOT NULL	VARCHAR2(20)	Store name of each student
CNIC	Simple Attribute	NOT NULL U	VARCHAR2(20)	Store unique CNIC of each student
Gender	Simple Attribute	-	VARCHAR2(2)	Store gender of students to decide section
DOB	Simple Attribute	-	Date	Store date of birth
image_link	Simple Attribute	-	VARCHAR2(20)	Store image of student
signup_date	Simple Attribute	-	Date	Store date when student first signed up

Student_History Table

Student_ID	Unique ID to identify student information	INDX U, FK	VARCHAR2(6)	Ref. Student.Student_ID
Date	Unique ID to identify the student history data	INDX U	Date	Store date when changes were made or address was entered
Address	Simple Attribute	-	VARCHAR2(35)	Store addresses of students.

Course Table

Course_ID	Unique ID to identify course	INDX U	VARCHAR2(6)	For example: GRM101, ETH111
Course_Title	Simple Attribute	-	VARCHAR2(25)	Store name of course
Is_Offered	Simple Attribute	-	Int	Boolean number to store if currently offered or not

Course History

Course_ID	identify course history	INDX	VARCHAR2(6)	Ref. Course.Course_ID
Start_Date	Identify course history	INDX U	Date	Store the date when course began
Due_Date	Simple attribute	U	Date	Store the due date for course.
Duration	Simple attribute	-	Int	Store duration of the course
Fee	Simple attribute	-	Int	Store fee of the course
Total_Students	Simple attribute	-	Int	Store number of total students

Class_Info

Course_ID	Simple attribute	FK	VARCHAR2(6)	Identify the course being taught in class

Section

Section_ID	Identify section	INDX	VARCHAR2(4)	For example: BL-G, GR-B
Class_ID	Identify class	INDX FK	Int	Ref Class.Class_ID
Section_Title	Simple attribute	-	VARCHAR2(20)	Store name of section

Assigned

Staff_ID	Identify staff teaching section	INDX FK	VARCHAR2(6)	Ref. Staff.Staff_ID
Section_ID	Identify section	INDX FK	VARCHAR2(6)	Ref.Section.Section_ID
Class_ID	Identify class	INDX FK	Int	Ref.Section.Class_ID

Class_ID	Identify class	INDX,U	Int	For example: 1,2,3,4,5,6

Assignment_Date	Simple attribute	INDX	Date	Store date the staff was assigned the section
Location	Simple attribute	-	VARCHAR2(10)	Store location of section

FEE_DETAILS

Fee_Challan	Fee Challan	INDX U	VARCHAR(6)	Unique Fee_Challan combination is assigned for every payment.
Student_ID	Student identifier	FK	VARCHAR(6)	Ref.Student.Student_ID.
Amount	Amount	-	NUMBER	Amount to be paid to register in a course.
Discount	%age Discount	-	NUMBER	Discount given to Students.
Due_Date	Due_Date	-	DATE	Date by which the fee must be paid
Payment_Date	Payment_Date	-	DATE	Date on which payment is cofirmed

ENROLLMENT_HISTORY

Student_ID	Student identifier	INDX U, FK	VARCHAR(6)	Ref.Student.Student_ID.
Section_ID	Section identifier	FK	VARCHAR(4)	Ref.Sections.Section_ID. A student should not select more than 1 section. However, the student can get his/her section changed by requesting the administration. This will be done through the Class Assignment Form.
Class_ID	Class identifier	FK	NUMBER	Ref.Classes.Class_ID. A student should not select more than 1 class.
Course_ID	Course identifier	FK	VARCHAR(6)	Ref.Course. Course_ID. A student cannot be enrolled in more than 1 course at a time.
Fee_Challan	Fee Challan	INDX U	VARCHAR(6)	Ref.Fee_Details.Fee_Challan
Enrollment_Date	Enrollment_Date	-	DATE	Date on which the student enrolled in a course
Enrolled	Bool to keep record	-	NUMBER	To keep track of students currently enrolled in a course.

MALE_STAFF_MEMBER

Staff_ID	Staff identifier	INDX U, FK	VARCHAR(6)	Ref.Staff.Staff_ID.

Father_ID	Father identifier	INDX U, FK	VARCHAR(4)	Ref.Father.Father_ID.

FATHER

Father_ID	Father identifier	INDX U	VARCHAR(6)	Father_ID.
CNIC	CNIC	-	VARCHAR(15)	CNIC
Father_Name	Father Name	-	VARCHAR(12)	Father_Name

FATHER_HISTORY

Father_ID	Father identifier	INDX U,FK	VARCHAR(6)	Ref.Father.Father_ID.
Student_ID	Student identifier	INDX U,FK	VARCHAR(6)	Ref.Student.Student_ID.
Contact_No	Contact No	-	VARCHAR(12)	Contact No provided by the father.
Email	Email Address	-	VARCHAR(23)	Email Address provided by the father.
Address	Address	-	VARCHAR(19)	Family address
Date	Entry Date	INDX U	DATE	Date on which the entry was made

F_CHILD_OF:

Father_ID	Father identifier	INDX U, FK	VARCHAR(6)	Ref.Father.Father_ID.
Student_ID	Student identifier	INDX U, FK	VARCHAR(6)	Ref.Student.Student_ID.
Current	Current Father	INDX U	NUMBER	If the father of the student passes away and his/her mother remarries then a new entry will be
				made when the student has a new father.

SECTION_CHANGE

Section_ID	Section identifier	INDX U, FK	VARCHAR(6)	Ref.Sections.Section_ID.
Fee_Challan	Fee challan	INDX U, FK	VARCHAR(6)	Ref.Fee_Details.Fee_Challan.
Old_Section	Current section	INDX U	VARCHAR(5)	Current section in which the student is registered.
Date	Date of section change	INDX U	DATE	Date on which the student is assigned new section
Reason_For_Change	Reason for section change	INDX U	VARCHAR(24)	Reason for which the student wishes to change his/her current section

Approved_By	Name of person who approves this	INDX U	VARCHAR(12)	Name of the person who approves this change to take place.

STAFF TABLE

STAFF_ID	Staff member identifier	INDX, U	VARCHAR2(6)	PRIMARY KEY TO IDENTIFY STAFF MEMBER, FORMAT: STF001,STF002…
NAME	Name of staff member	Simple attribute	VARCHAR2(20)	STORES NAME OF STAFF MEMBER.
CNIC	Cnic of staff member	U	VARCHAR2(20)	IDENTIFY THE STAFF MEMBER NATIONALLY
ADDRESS	Address of staff member	Simple attribute	VARCHAR2(50)	TO KEEP A RECORD OF THE STAFF MEMBER ADDRESS
CONTACT	Contact number of staff member	Simple attribute	VARCHAR2(20)	TO CONTACT THE STAFF MEMBER THROUGH PHONE
EMAIL	Email of staff member	U	VARCHAR2(30)	TO CONTACT THE STAFF MEMBER THROUGH EMAIL
START_DA TE	Start date of staff member	Simple attribute	DATE	HIRING DATE OF THE STAFF MEMBER
END_DATE	End date of staff member	Simple attribute	DATE	DISMISSAL/RESIGNATION DATE OF STAFF MEMBER
BONUS	Bonus received by staff member	Simple attribute	REAL	BONUS AWARED TO STAFF MEMBER
SALARY	Salary of staff member	Simple attribute	REAL	FIXED SALARY OF THE STAFF MEMBER

MOTHER TABLE:

MOTHER_ID	Mother identifier	INDX U	Varchar2(5)	PRIMARY KEY TO IDENTIFY MOTHER FORMAT: 'M001' , 'M002' …
F_NAME	Name of Mother	Simple attribute	Varchar2(20)	STORES NAME OF MOTHER.
F_CNIC	Cnic of Mother	UNIQUE	Varchar2(20)	UNIQUE NATIONAL IDENTIFICATION CARD NUMBER.

MOTHER_HISTORY TABLE:

MOTHER_ID	Mother_Histor y COMPOSITE KEY	INDX U, FK	VARCHAR2(6)	FOREIGN KEY REFERENCES MOTHER_ID IN MOTHER TABLE.
DATE	Mother_Histor y COMPOSITE KEY	INDX U	Date	DATE TO MAINTAIN MOTHER'S HISTORY
F_CONTACT	Mother's phone contact	Simple attribute	VARCHAR2(20)	CONTACT NUMBER OF MOTHER
F_EMAIL	Mother's email address	Simple attribute	VARCHAR2(30)	EMAIL ADDRESS TO SEND ANY IMPORTANT ANNOUNCEMENT

F_ADDRESS	Mother's home address	Simple attribute	VARCAHR2(50)	ADDRESS OF MOTHER IN CASE OF EMERGENCY
MONTHLY_INCOME	Monthly income of Mother	Simple attribute	INT	STORES MONTHLY INCOME OF MOTHER

M_CHILD_OF TABLE:

MOTHER_ID	M_CHILD_OF Composite key	INDX FK	VARCHAR2(6)	FOREIGN KEY REFERENCES MOTHER_ID IN MOTHER TABLE
STUDENT_ID	M_CHILD_OF Composite key	INDX FK	VARCHAR2(6)	FOREIGN KEY REFERENCES STUDENT_ID IN STUDENT TABLE
CURRENT	Current status of child	Simple attribute	INT	IDENTIFIES WHETHER MOTHER IS CURRENT MOTHER OR NOT.

FEMALE STAFF MEMBER TABLE:

MOTHER_ID	FEMALE STAFF MEMBER COMPOSITE KEY	INDX FK	VARCHAR2(6)	FOREIGN KEY REFERENCES MOTHER_ID IN MOTHER TABLE
STAFF_ID	FEMALE STAFF MEMBER COMPOSITE KEY	INDX FK	VARCHAR2(6)	FOREIGN KEY REFERENCES STAFF_ID IN STAFF TABLE

Guardian

Guardian_ID	Guardian Identifier	INDX	VARCHAR2(5)	The Guardian_ID will be used as the PK to easily identify the guardian
Name	Guardians Name	-	VARCHAR2(20)	Used to identify the name of the guardian
Gender	Guardians Gender	-	VARCHAR2(2)	Used to identify the gender of the guardian, important for younger students
CNIC	Guardians CNIC	U	VARCHAR2(20)	Unique attribute associated with each guardian

Guardian History

Guardian_ID	Guardian History composite key	INDX,FK	VARCHAR2(5)	Guardian_ID references Guardian_ID of table Guardian
Date	Guardian History composite key	INDX	Date	Date of maintaining the history for each guardian

Address	Guardian's Address	-	VARCHAR2(50)	Address of guardian in case of emergencies
Email	Guardian's Email	-	VARCHAR2(20)	Email of guardian in case of important notices
Contact	Guardian's Contact Information	-	VARCHAR2(20)	Contact of Guardian in case of emergencies

Responsible_For

Student_ID	Student identifier	INDX,FK	VARCHAR2(6)	F.K references the Student table Student_ID
Guardian_ID	Guardian identifier	INDX,FK	VARCHAR2(5)	F.k references the Guardian table Guardian_ID
Relation	Relation between student and guardian	-	VARCHAR2(20)	Relation of guardian to the student
Current	Status of Guardian	-	INT	Store INT values 1 or 0 to identify whether the guardian in the table is the current guardian of the student or not

Student_Accompany_Form

Acc_Form_No	Form Number identifier	INDX	VARCHAR2(10)	Used as PK to identify the form number associated with each visit
Student_ID	Student_ID identifier	INDX,FK	VARCHAR2(6)	FK references Student tables Student_ID
Guardian_ID	Guardian_ID identifier	INDX,FK	VARCHAR2(5)	FK references Guardian tables Guardian_ID
Date	Date associated with each visit	-	DATE	Date of the visit to maintain a log
Pregnant	Pregnancy status of female guardians	-	VARCHAR2(2)	Ask visitor(guardian) their current pregnancy status to offer assistance respectively
Reason	Reason why parents/mother was unable to assist	-	VARCHAR2(50)	Log the reason for parents absence

Staff_Member

Guardian_ID	Guardian Identifier	INDX,FK	VARCHAR2(5)	FK references Guardian tables Guardian ID to determine staff members who are also guardians
Staff_ID	Staff Identifier	INDX,FK	VARCHAR2(6)	FK refernces Staff tables Staff ID to determine staff members who are also guardians