LIBRARY DATABASE

PRESENTER: RAMIS BEISHEMBIYEV FROM SE-2017

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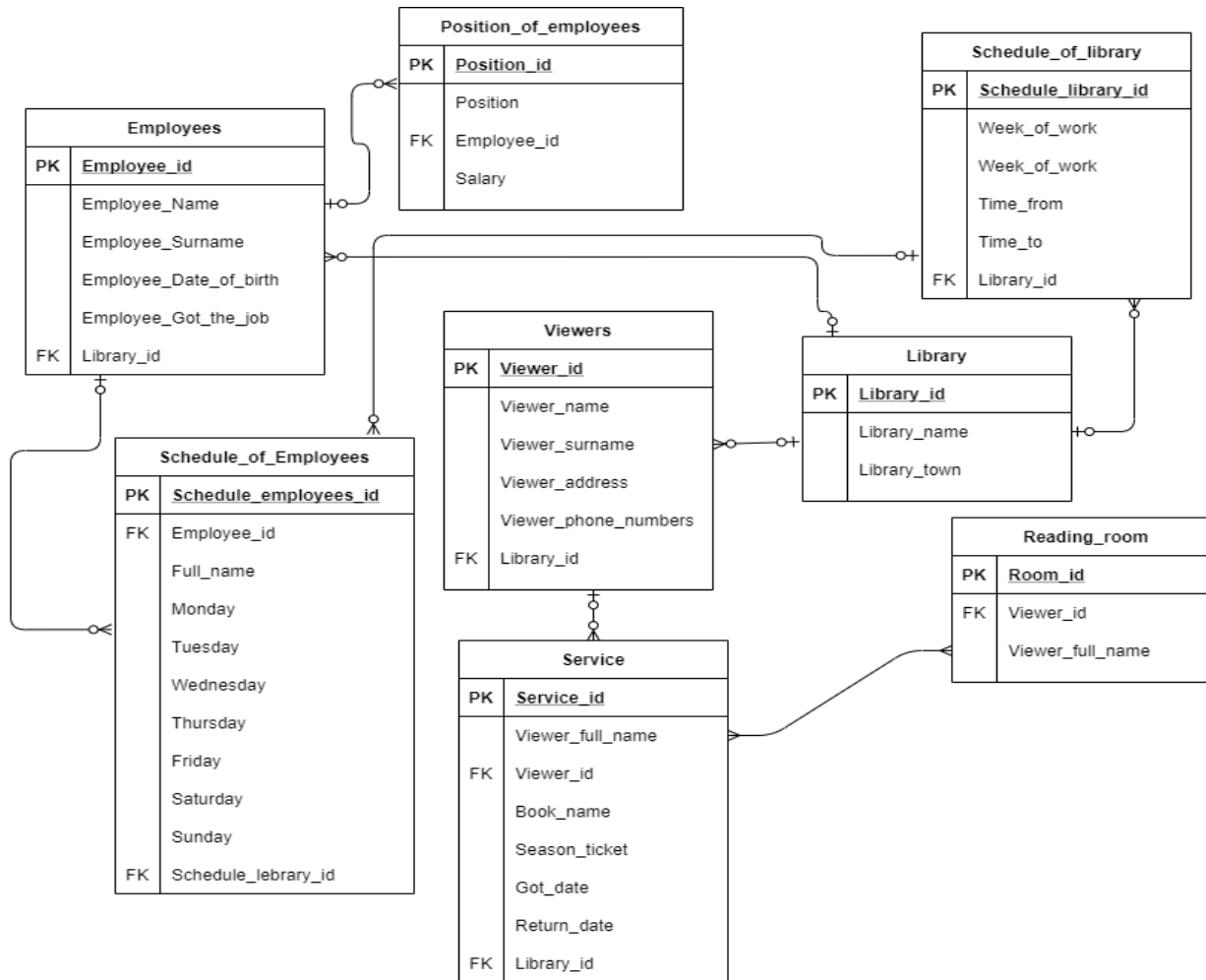
The main goal of this project is to create a database for a library and about 8 tables using SQL functions. In this tables will be information about viewers, timetables and persons who working there.

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ID	Title	Start Time	End Time		Sun 11/08 - Sat 11/14							Sun 11/15 - Sat 11/21						
					M	T	W	T	F	S	S	M	T	W	T	F	S
1	Find and select topic of project	11/10/2020	11/11/2020			▬											
2	Find the main information	11/11/2020	11/12/2020				▬										
3	Analyze information	11/12/2020	11/13/2020					▬									
4	Creating basic table	11/13/2020	11/14/2020						▬								
5	Creating database on SQL	11/16/2020	11/17/2020									▬					
6	Create tables on SQL	11/17/2020	11/18/2020										▬				
7	Enter analyzed information	11/18/2020	11/19/2020											▬			
8	Create diagram of database	11/19/2020	11/20/2020												▬		
9	Finish the selected project	11/20/2020	11/21/2020													▬	

ER DIAGRAM OF DATABASE

	library_id [PK] integer	library_name character varying (265)	library_town character (65)
1	1	Library of Sherkhan Murtaza	Taraz ...
2	2	British Library	London and Boston...
3	3	Royal Danish Library	Copenhagen ...
4	4	German National Library	Frankfurt ...
5	5	Berlin State Library	Berlin ...
6	6	Boston Public Library	Boston ...
7	7	Harvard Library	Massachusetts ...
8	8	Yale Library	Connecticut ...

	employee_id [PK] integer	employee_name character (50)	employee_surname character (50)	employee_date_of_birth date	employee_got_the_job date	library_id integer
1	1	Charissa ...	Rosario ...	1992-01-02	2018-07-02	1
2	2	Fredericka ...	Pavlovsky ...	1992-09-09	2017-10-05	2
3	3	Tuckie ...	Harriday ...	1992-06-03	2015-08-01	3
4	4	Karie ...	Weildish ...	1992-12-01	2016-11-03	4
5	5	Flore ...	Underwood ...	1997-02-06	2017-07-08	5
6	6	Latisha ...	Cothey ...	1992-03-10	2018-07-07	6
7	7	Artus ...	Molfino ...	1999-04-10	2016-03-01	7
8	8	Genovera ...	Berendsen ...	1992-05-08	2012-06-02	8

	position_id [PK] integer	position character (50)	employee_id integer	salary character varying (50)
1	1	worker ...	1	$5.47
2	2	worker ...	2	$1.81
3	3	worker ...	3	$1.76
4	4	worker ...	4	$1.82
5	5	worker ...	5	$9.98
6	6	security ...	6	$1.16
7	7	worker ...	7	$8.06
8	8	security ...	8	$4.95

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viewer_id [PK] integer	viewer_name character (50)	viewer_surname character (50)	viewer_address character varying (100)	viewer_phone_numbers integer	library_id integer
1	1 Sharlene ...	Sarney ...	4604 Mallory Point	1206116161	1
2	2 Kanya ...	Gerner ...	39823 Gale Avenue	336192921	2
3	3 Tana ...	Garatty ...	2060 Pine View Alley	373608471	3
4	4 Nappie ...	Spinige ...	8607 Anhalt Parkway	322122981	4
5	5 Emmeline ...	enzley ...	85243 3rd Crossing	772400924	5
6	6 Dotty ...	Midghall ...	5 4th Avenue	939816247	6
7	7 Arlyne ...	Stein ...	84605 Green Junction	451844857	7
8	8 Page ...	Shirrell ...	87703 Sycamore Street	781667669	8

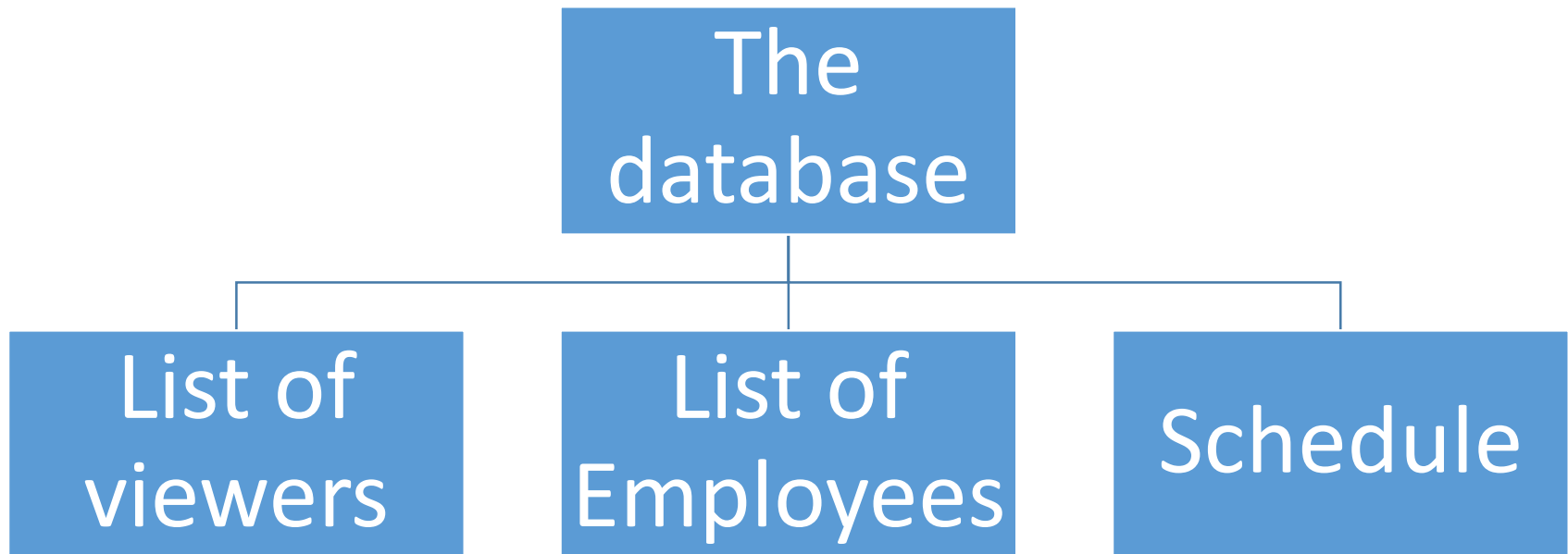| room_id [PK] integer	viewer_id integer	viewer_full_name character (100)
1	1	1 Corene Orwin ...
2	2	2 Netti Baumadier ...
3	3	3 Zara Maginot ...
4	4	4 Annecorinne Pietrusch... ...
5	5	5 Alysia Maund ...
6	6	6 Elizabet Yves ...
7	7	7 Gianni Ruscoe ...
8	8	8 Brier Mynett ...

service_id [PK] integer	viewer_full_name character (100)	viewer_id integer	book_name character varying (265)	season_ticket integer	got_date date	return_date date	library_id integer
1	1 Hazel Daleman ...	1	Buffalo Wild Wings, Inc.	5069647	2020-07-04	2020-07-08	1
2	2 Augustina Chart ...	2	EnteroMedics Inc.	3600815	2020-03-01	2020-03-06	2
3	3 Chariot Done ...	3	Air Products and Chemicals, I...	1592719	2020-08-02	2020-08-07	3
4	4 Osgood Haversham ...	4	Casella Waste Systems, Inc.	8429616	2020-02-01	2020-02-08	4
5	5 Norry Coucha ...	5	Oppenheimer Holdings, Inc.	3648557	2020-12-04	2020-12-09	5
6	6 Corty McKeefry ...	6	Biogen Inc.	5284645	2020-10-02	2020-10-06	6
7	7 Claudian Sprosson ...	7	8x8 Inc	1118440	2020-07-23	2020-08-01	7
8	8 Gaby Kenvin ...	8	MediWound Ltd.	5022784	2020-11-25	2020-12-08	8

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	schedule_library_id [PK] integer	week_of_work character (50)	time_from character varying (10)	time_to character varying (10)	library_id integer
1	1	Monday ...	9:00 AM	8:00 PM	1
2	2	Tuesday ...	9:00 AM	8:00 PM	2
3	3	Wednesday ...	9:00 AM	8:00 PM	3
4	4	Thursday ...	9:00 AM	8:00 PM	4
5	5	Friday ...	9:00 AM	8:00 PM	5
6	6	Saturday ...	11:00 AM	4:00 PM	6
7	7	Sunday ...	11:00 AM	4:00 PM	7

	schedu [PK] int	employe integer	full_name character (100)	monday character va	tuesday character var	wednesday character vary	thursday character vary	friday character varyi	saturday character vary	sunday character vary	schedule_l integer
1	1	1	Davidson Murrey ...	+	+	-	-	-	-	-	1
2	2	2	Dusty Challenor ...	-	-	+	+	-	-	-	2
3	3	3	Toni Hallor ...	-	-	-	-	+	+	-	3
4	4	4	Evaleen Fessby ...	-	-	-	-	-	+	+	4
5	5	5	Kania McPhillips ...	-	-	+	+	-	-	-	5
6	6	6	Henry Mattioli ...	+	+	-	-	-	-	-	6
7	7	7	Niles Picard ...	-	-	-	-	+	+	-	7

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The database

List of viewers

List of Employees

Schedule

Thanks for your attentions!