

			Data Dictionary						

AddressBook: stores address information that are necessary from each reading room, staff and member

Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
AddressID	synthetic code to uniquely identify each address	VARCHAR2(6)	ALL	NO	YES	NO	ADDRESS_PK	PRIMARY KEY	
Street	recorded street info	VARCHAR2(30)	ALL	NO	NO	NO	ADDRESS_NN_STREET	NOT NULL	-
City	recorded city name	VARCHAR2(20)	ALL	NO	NO	NO	ADDRESS_NN_CITY	NOT NULL	-
State	recorded state name	VARCHAR2(10)	ALL	NO	NO	NO	ADDRESS_NN_STATE	NOT NULL	-
Zip	recorded zip code	CHAR(5)	00000-99999	NO	NO	NO	ADDRESS_NN_ZIP	NOT NULL	-

		AddressBook Dataset							
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AddressID	Street	City	State	Zip					
AB1234	379 Bushwick Avenue	Brooklyn	NY	81620					
AB5678	350 Broadway Avenue	Brooklyn	NY	16180					
AB9012	193 Meserole Avenue	Brooklyn	NY	11222					
AB3456	499 Rogers Avenue	Brooklyn	NY	11225					
AB7890	31-47 Steinway Street	Queens	NY	11103					
AB2345	3214 Sapphire Court	Wilmington	DE	19810					
AB6789	1429 Poplar Street	Philadelphia	PA	19130					
AB0123	121 Arrowhead Drive	Burlington	NJ	18016					
AB4567	1824 Spring Garden Street	Philadelphia	PA	19132					
AB8901	101 Chestnut Street	Philadelphia	PA	19308					
AB9876	4701 Green Street	Malvern	PA	19825					
AB5432	1405 South 2nd Street	Philadelphia	PA	19103					
AB1098	1776 Benjamin Franklin Parkway	Philadelphia	PA	19103					
AB7654	4302 Forest Hills Drive	Cherry Hill	NJ	18045					
AB3210	874 Wild Street	Manhattan	NY	19832					
AB8765	30 Sapphire Drive	Manhattan	NY	19832					
AB4321	425 Ruby Court	Los Angeles	CA	19901					
AB0987	505 Second Street	Manhattan	NY	21040					
AB6543	83 Monore Street	Brooklyn	NY	11204					
AB2109	30 Lake Forest Drive	Brooklyn	NY	11204					
AB1122	115 W. 30th Street	Manhattan	NY	12106					
AB2233	5089 Blue Lane	Newark	NJ	18116					
AB3344	747 Fire Lane	Short Hills	NJ	11176					

AB5566	395 Short Circle	Newark	DE	12186					
AB6677	121 E. Cira Green Street	Woodside	NY	11503					
AB7788	500 Walnut Lane	Philadelphia	PA	19103					
AB8899	5440 Michael Court	Pipersville	PA	18947					
AB0011	169 E 71st Street	Lenox Hill	NY	10021					
AB2230	66 Perry Street	New York	NY	10014					
AB3340	36 Fuller Place	Brooklyn	NY	11215					
AB5560	41 Charlton Street	New York	NY	10014					
AB1212	11 Wall Street	New York	NY	10005					
AB3434	161 Washington Ave Extension	Albany	NY	12205					
AB5656	1060 Mall Walk	Yonkers	NY	10704					
AB7878	748 Drew Street	Brooklyn	NY	11208					

			Data Dictionary					

ReadingRoom: Stores information on each Wendy's Subway reading room location

Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
LocationID	unique reading room name	VARCHAR2(15)	ALL	NO	YES	NO	LOCATION_PK_LID	PRIMARY KEY	-
PhoneNumber	reading room phone number	CHAR(10)	0000000000-9999999999	YES	NO	NO	-	-	-
AddressID	synthetic code to uniquely identify	VARCHAR2(6)	ALL	NO	NO	YES	LOCATION_FK_ADDRESS	FOREIGN KEY	CASCADE

ReadingRoom Dataset

LocationID	PhoneNumber	AddressID
Bushwick Ave	9175690384	AB1234
Broadway Ave	9174730631	AB5678
Meserole Ave	7183497623	AB9012
Rogers Ave	3474137944	AB3456
Steinway St	9292080072	AB7890

		Data Dictionary							

Staff: Stores information about employees who work with Wendy's Subway.

Attribute Name	Description	Data Type	Domain	Nullable	PK	FK	Constraint	Type	On Delete
StaffID	employee identification number	CHAR(4)	0000-9999	NO	YES	NO	STAFF_PK_SID	PRIMARY KEY	-
FirstName	employee's first name	VARCHAR2(15)	ALL	NO	NO	NO	STAFF_NN_FNAME	NOT NULL	-
LastName	employee's last name	VARCHAR2(15)	ALL	NO	NO	NO	STAFF_NN_LNAME	NOT NULL	-
Position	employee's position	VARCHAR2(20)	ALL	NO	NO	NO	STAFF_NN_POSITION	NOT NULL	-
LocationID	unique reading room name	VARCHAR2(15)	ALL	NO	NO	YES	STAFF_FK1_LOCATION	FOREIGN KEY	SET NULL
AddressID	synthetic code to unique	VARCHAR2(6)	ALL	NO	NO	YES	STAFF_FK2_ADDRESS	FOREIGN KEY	CASCADE

		Staff Dataset							

StaffID	FirstName	LastName	Position	LocationID	AddressID				
3372	Ashleigh	Brauer	Marketing Specialist	Bushwick Ave	AB2345				
3864	Jessica	Hutchison	Circulation	Broadway Ave	AB6789				
3933	Poojan	Bhavsar	Item Tracker	Meserole Ave	AB0123				
3436	Haydn	Chen	Librarian	Bushwick Ave	AB4567				
3834	Shane	Rebstock	Library Technician	Rogers Ave	AB8901				
4785	Violet	Jones	Page	Broadway Ave	AB9876				
4790	Roger	Fleck	Librarian	Bushwick Ave	AB5432				
7248	Angela	Rhoades	Item Tracker	Meserole Ave	AB1098				
7185	Patricia	Wagner	Circulation	Steinway St	AB7654				

		Data Dictionary							
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Member: Records each memeber's registration information at Wendy's Subway reading room.

Attribute Name	Description	Data Type	Domain	Nullable	PK	FK	Constraint	Type	On Delete
MemberID	member's identification number	CHAR(5)	00000-99999	NO	YES	NO	MEMBER_PK_MID	PRIMARY KEY	-
FirstName	member's first name	VARCHAR2(50)	ALL	NO	NO	NO	MEMBER_NN_FNAME	NOT NULL	-
LastName	member's last name	VARCHAR2(50)	ALL	NO	NO	NO	MEMBER_NN_LNAME	NOT NULL	-
BirthDate	member's birth date	DATE	ALL	NO	NO	NO	MEMBER_NN_DOB	NOT NULL	-
Gender	Member's gender identity	VARCHAR2(6)	ALL	YES	NO	NO	-	-	
SubscriptionDate	member's registration date	DATE	ALL	NO	NO	NO	MEMBER_NN_SUBSDATE	NOT NULL	-
LocationID	unique reading room name	VARCHAR2(15)	ALL	NO	NO	YES	MEMBER_FK1_LOCATION	FOREIGN KEY	SET NULL
AddressID	synthetic code to uniquely identify each address	VARCHAR2(6)	ALL	NO	NO	YES	MEMBER_FK2_ADDRESS	FOREIGN KEY	CASCADE

		Member Dataset							
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MemberID	FirstName	LastName	BirthDate	Gender	SubscriptionDate	LocationID	AddressID		
12345	Bob	Albert	25-Jul-1992	Male	17-Mar-2017	Bushwick Ave	AB3210		
23456	Ryan	Brown	5-Dec-1980	Male	5-Jan-2019	Bushwick Ave	AB8765		
34567	Olivia	Pierce	12-Mar-1974	Female	19-Mar-2017	Bushwick Ave	AB4321		
45678	Henry	Shallow	30-Sep-2005	Other	8-Apr-2015	Meserole Ave	AB0987		
56789	William	Todd	7-Jan-2010	Male	21-Oct-2019	Broadway Ave	AB6543		
67890	Mia	Potts	13-May-2007	Other	11-Feb-2021	Rogers Ave	AB2109		
98765	Nova	Sky	12-Feb-2006	Female	13-Dec-2013	Rogers Ave	AB1122		
87654	River	Axel	11-Jul-2007	Other	9-Jul-2015	Rogers Ave	AB2233		
76543	Finn	Roberts	10-Sep-2008	Male	23-Aug-2018	Broadway Ave	AB3344		
65432	Mateo	Hill	9-Mar-2011	Male	21-Sep-2019	Steinway St	AB5566		
54321	Otis	Orion	30-Aug-1998	Male	3-Dec-2017	Rogers Ave	AB6677		
66223	Peter	Odell	24-Jan-1983	Male	7-Feb-2019	Rogers Ave	AB7788		
33853	Avon	Barksdale	12-May-1993	Male	21-Nov-2015	Broadway Ave	AB8899		
12956	Raymond	Dalio	19-Jun-1989	Male	23-May-2018	Steinway St	AB0011		
75133	Ryan	Seacrest	24-Jul-1979	Male	25-Apr-2020	Broadway Ave	AB2230		
92121	Aaron	Hotchner	1-Apr-1985	Male	27-Feb-2018	Steinway St	AB3340		
23567	Jenifer	Rodriguez	14-Feb-1998	Female	4-Jan-2017	Broadway Ave	AB5560		
14495	Shaun	White	10-Sep-1994	Male	24-Mar-2016	Bushwick Ave	AB1212		
48293	April	Rod	25-Sep-1995	Female	20-Jun-2014	Steinway St	AB3434		

65038	Lily	Jones	21-Dec-1989	Female	1-Dec-2020	Rogers Ave	AB5656		
27496	Lana	Combs	14-Feb-1992	Female	15-Mar-2021	Broadway Ave	AB7878		

		Data Dictionary							
Minor: Stores information about members who are under the age of 18									
Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
MemberID	member's identification number	CHAR(5)	00000-99999	NO	YES	YES	MINOR_PK MINOR_FK_MID	PRIMARY KEY FOREIGN KEY	CASCADE
GuardianName	full name of a minor's guardian	VARCHAR2(50)	ALL	NO	NO	NO	MINOR_NN_GUARDNAME	NOT NULL	-
GuardianPhone	phone number of a minor's guardian	CHAR(10)	0000000000-9999999999	NO	NO	NO	MINOR_NN_GUARDPHONE	NOT NULL	-
GuardianEmail	email of a minor's guardian	VARCHAR2(50)	ALL	NO	NO	NO	MINOR_NN_GUARDEMAIL	NOT NULL	-
		Minor Dataset							
MemberID	GuardianName	GuardianPhone	GuardianEmail						
67890	Nova Potts	6093452345	NP234@gmail.com						
98765	Matthew Sky	4563217869	MS342@gmail.com						
76543	Tara Roberts	6092347869	TR678@gmail.com						
45678	Shallow Green	4569684586	Sh@657@gmail.com						
56789	Rachel Todd	6096522680	RT123@gmail.com						
65432	Francis Hill	4357638594	HI@gmail.com						
87654	Axel Tire	6092348470	AX@gmail.com						

		Data Dictionary							

Adult: Records the registration information about members who are over age of 18

Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
MemberID	member's identification number	CHAR(5)	00000-99999	NO	YES	YES	ADULT_PK ADULT_FK_MID	PRIMARK KEY FOREIGN KEY	CASCADE
DriversLicense	member's official identification	VARCHAR2(50)	ALL	NO	NO	NO	ADULT_UQ_DLICENSE	UNIQUE	-
PhoneNumber	member's phone number	CHAR(10)	0000000000-9999999999	NO	NO	NO	ADULT_NN_PHONE	NOT NULL	-
Email	member's email address	VARCHAR2(50)	ALL	NO	NO	NO	ADULT_NN_EMAIL	NOT NULL	-

		Adult Dataset							
MemberID	DriversLicense	PhoneNumber	Email						
12345	987654321	6095672343	DF@gmail.com						
23456	234567890	4654678943	dh@gmail.com						
34567	998877665	6092344637	pq@gmail.com						
54321	112233455	3454653747	sr@gmail.com						
66223	123456789	5548473833	ab@gmail.com						
33853	543212345	6095643472	pb@gmail.com						
12956	765876987	6093824329	jc@gmail.com						
75133	334455667	5328493291	hc@gmail.com						
92121	284742982	6097922390	bs@gmail.com						
23567	436401923	6093213943	ks@gmail.com						
14495	785932485	5423480493	fb@gmail.com						
48293	937405987	3042852948	aj@gmail.com						
65038	283740912	4034852945	ff@gmail.com						
27496	385017465	3943953947	ro@gmail.com						

[illegible]

RentalCopy: Presents information about all loanable materials in Wendy's Subway catalog

Attribute Name	Description	Data Type	Domain	Nullable	PK	FK	Constraint	Type	On Delete
Barcode	Wendy's Subway's unique tracking number	CHAR(12)	000000000000-999999999999	NO	YES	NO	RENTALCOPY_PK_BCODE	PRIMARY KEY	-
Name	item name	VARCHAR2(50)	ALL	NO	NO	NO	RENTALCOPY_NN_NAME	NOT NULL	-
Status	item's availability	VARCHAR2(3)	In', 'Out'	NO	NO	NO	RENTALCOPY_NN_STATUS RENTALCOPY_CK_STATUS	NOT NULL CHECK	-

		RentalCopy Dataset
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Barcode	Name	Status
786244744221	Cats Cradle	OUT
981769123582	Animal Farm	OUT
676716987784	The Garden of Eden	OUT
345983948752	A History of Communism	IN
329874982374	A Hundred Thousand Hours	IN
938474626372	A return to love	OUT
834967238874	The Secret Life of Bees	IN
564563245342	The Invisible Man	IN
478236176547	Into the Wild	OUT
423245634324	Where the Sidewalk Ends	IN
546378671928	A Knight's Tale	OUT
983647562543	The Nun	OUT
761235687683	Episode IV: A New Hope	IN
983673465578	The Avengers	OUT
127836983482	Parasite	IN
786964534253	Sour	OUT
958564642239	Fearless	IN
983735355987	Christmas Classics	OUT
798234548978	After Hours	OUT
985454758653	Take Care	IN

		Data Dictionary							
Rents: Presents information about the transaction between rental items and members									
Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
MemberID	member's identification number	CHAR(5)	00000-99999	NO	YES	YES	RENTS_PK RENTS_FK1_MID	PRIMARY KEY FOREIGN KEY	CASCADE
Barcode	Wendy's Subway's unique tracking number	CHAR(12)	000000000000-999999999999	NO	YES	YES	RENTS_PK RENTS_FK2_BCODE	PRIMARY KEY FOREIGN KEY	CASCADE
Restriction	Marks whether or not an item can be rented by a minor	CHAR(1)	Y, 'N'	NO	NO	NO	RENTS_NN_RESTRICTION RENTS_CK_RESTRICTION	NOT NULL CHECK	-
CheckIn	Date that an item is due	DATE	ALL	NO	NO	NO	RENTS_NN_CIN	NOT NULL	-
CheckOut	Date that an item was checked out	DATE	ALL	NO	NO	NO	RENTS_NN_COUT	NOT NULL	-
		Rents Dataset							
Barcode	MemberID	Restriction	CheckIn	CheckOut					
786244744221	12345	N	15-Mar-2022	01-Mar-2022					
981769123582	75133	N	08-Mar-2022	22-Feb-2022					
676716987784	66223	N	24-Jan-2022	12-Jan-2022					
938474626372	23456	N	13-Feb-2022	30-Jan-2022					
478236176547	87654	N	15-Jan-2022	1-Jan-2022					
546378671928	12345	N	15-Mar-2022	01-Mar-2022					
983647562543	67890	Y	08-Mar-2022	22-Feb-2022					
983673465578	65432	N	26-Dec-2021	12-Dec-2021					
786964534253	92121	N	09-Jan-2022	24-Dec-2021					
983735355987	65432	N	18-Mar-2022	04-Mar-2022					
798234548978	65432	Y	18-Mar-2022	04-Mar-2022					

		Data Dictionary							

Owns: Shows information about rental items stored in respective reading rooms

Attribute Name	Description	Data Type	Domain	Nullable	PK	FK	Constraint	Type	On Delete
LocationID	unique reading room name	VARCHAR2(15)	ALL	NO	YES	YES	OWNS_PK OWNS_FK1	PRIMARY KEY FOREIGN KEY	CASCADE
Barcode	Wendy's Subway's unique tracking number	CHAR(12)	000000000000- 999999999999	NO	YES	YES	OWNS_PK OWNS_FK2	PRIMARY KEY FOREIGN KEY	CASCADE

		Owns Dataset							
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LocationID	Barcode
Bushwick Ave	786244744221
Broadway Ave	981769123582
Steinway St	676716987784
Rogers Ave	345983948752
Bushwick Ave	329874982374
Meserole Ave	938474626372
Rogers Ave	834967238874
Steinway St	564563245342
Broadway Ave	478236176547
Rogers Ave	423245634324
Meserole Ave	546378671928
Steinway St	983647562543
Bushwick Ave	761235687683
Meserole Ave	983673465578
Rogers Ave	127836983482
Broadway Ave	786964534253
Broadway Ave	958564642239
Bushwick Ave	983735355987
Steinway St	798234548978
Meserole Ave	985454758653

		Data Dictionary							
BookDescription: Represents the detailed information about each book									
Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
ISBN	International Standard Book Number for item	CHAR(13)	0000000000000-99999999999999	NO	YES	NO	BOOKDESC_PK	PRIMARY KEY	-
Author	Writer of literary work	VARCHAR2(50)	ALL	NO	NO	NO	BOOKDESC_NN_AUTHOR	NOT NULL	-
Publisher	Organization who released item	VARCHAR2(50)	ALL	NO	NO	NO	BOOKDESC_NN_PUB	NOT NULL	-
Year	Year item published	NUMBER (4)	0000-9999	NO	NO	NO	BOOKDESC_NN_YEAR	NOT NULL	-
Genre	Genre of item	VARCHAR2(50)	ALL	NO	NO	NO	BOOKDESC_NN_GENRE	NOT NULL	-
		BookDescription Dataset							
ISBN	Author	Publisher	Year	Genre					
9780385333481	Kurt Vonnegut	Delacorte Press	1963	Fiction					
9780451526342	George Orwell	Massmarket Paperback	1996	Political Satire					
9780684804521	Ernest Hemingway	Scribner	1995	Thriller					
9783869307916	Jim Dime	Alan Cristea Gallery	2014	Art					
9781937027247	Gro Dahle	Ugly Duckling Presse	2013	Poetry					

		Data Dictionary							
BookCopy: Shows unique tracing number of each book									
Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
Barcode	Wendy's Subway's unique tracking number	CHAR(12)	000000000000-999999999999	NO	YES	YES	BKCOPY_PK BKCOPY_FK1	PRIMARY KEY FOREIGN KEY	CASCADE
ISBN	International Standard Book Number for item	CHAR(13)	0000000000000-9999999999999	NO	NO	YES	BKCOPY_FK2	FOREIGN KEY	CASCADE
		BookCopy Dataset							
Barcode	ISBN								
786244744221	9780385333481								
981769123582	9780451526342								
676716987784	9780684804521								
345983948752	9783869307916								
329874982374	9781937027247								

		Data Dictionary							
AudioBookDescription: Represents the detailed information about each audio book									
Attribute Name	Description	Data Type	Domain	Nullable	PK	FK	Constraint	Type	On Delete
ISBN	International Standard Book Number for item	CHAR(13)	0000000000000-9999999999999	NO	YES	NO	AUDIOBKDESC_PK	PRIMARY KEY	-
Author	Person who created item	VARCHAR2(50)	ALL	NO	NO	NO	AUDIOBKDESC_NN_AUTHOR	NOT NULL	-
Publisher	Organization who released item	VARCHAR2(50)	ALL	NO	NO	NO	AUDIOBKDESC_NN_PUB	NOT NULL	-
Genre	Classification and organization of literary works	VARCHAR2(50)	ALL	NO	NO	NO	AUDIOBKDESC_NN_GENRE	NOT NULL	-
		AudioBookDescription Dataset							
ISBN	Author	Publisher	Genre						
9780060798062	Marianne Williamson	Harper Audio	Spiritual						
9781565115392	Sue Monk Kidd	Penguin Audio	Fiction						
9781094296029	H. G. Wells	JSX Publishing Inc.	Mystery						
9780221033841	Jon Krakauer	Cam Drynan	Thriller						
9780738900902	Shel Silverstein	Columbia/Legacy/Sony Wonder	Children						

		Data Dictionary							
AudioBookCopy: Shows unique tracking number of each audio book									
Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
Barcode	Wendy's Subway's unique tracking number	CHAR(12)	000000000000-999999999999	NO	YES	YES	AUDIOBKCOPY_PK AUDIOBKCOPY_FK1	PRIMARY KEY FOREIGN KEY	CASCADE
ISBN	International Standard Book Number for item	CHAR(13)	0000000000000-9999999999999	NO	NO	YES	AUDIOBKCOPY_FK2	FOREIGN KEY	CASCADE
		AudioBookCopy Dataset							
Barcode	ISBN								
938474626372	9780060798062								
834967238874	9781565115392								
564563245342	9781094296029								
478236176547	9780221033841								
423245634324	9780738900902								

		Data Dictionary							
Movie: Stores information about each movie copy									
Attribute Name	Description	DataType	Domain	Nullable	PK	FK	Constraint	Type	On Delete
Barcode	Wendy's Subway's unique tracking number	CHAR(12)	000000000000-999999999999	NO	YES	YES	MOVIE_PK MOVIE_FK	PRIMARY KEY FOREIGN KEY	CASCADE
Director	Item directed	VARCHAR2(25)	ALL	NO	NO	NO	MOVIE_NN_DIRECTOR	NOT NULL	-
Year	Year item released	NUMBER (4)	0000-9999	NO	NO	NO	MOVIE_NN_YEAR	NOT NULL	-
Title	Name of film	VARCHAR2(50)	ALL	NO	NO	NO	MOVIE_NN_TITLE	NOT NULL	-
		Movie Dataset							
Barcode	Director	Year	Title						
546378671928	Brian Helgeland	2001	A Knights Tale						
983647562543	Cordin Hardy	2018	The Nun						
761235687683	George Lucas	1977	Episode IV A New Hope						
983673465578	Joss Whedon	2012	The Avengers						
127836983482	Bong Joon-ho	2020	Parasite						

		Data Dictionary							
Music: Stores information about each rental music copy									
Attribute Name	Description	Data Type	Domain	Nullable	PK	FK	Constraint	Type	On Delete
Barcode	Wendy's Subway's unique tracking number	CHAR(12)	000000000000-999999999999	NO	YES	YES	MUSIC_PK MUSIC_FK	PRIMARY KEY FOREIGN KEY	CASCADE
Album	Item created by artist or group	VARCHAR2(20)	ALL	NO	NO	NO	MUSIC_NN_ALBUM	NOT NULL	-
Year	Release date of item	NUMBER (4)	0000-9999	NO	NO	NO	MUSIC_NN_YEAR	NOT NULL	-
Format	Type of physical audio format	VARCHAR (2)	ALL	NO	NO	NO	MUSIC_NN_FORMAT	NOT NULL	-
Genre	A category of musical composition defined by style, form, or content	VARCHAR2(20)	ALL	NO	NO	NO	MUSIC_NN_GENRE	NOT NULL	-
		Music Dataset							
Barcode	Album	Year	Format	Genre					
786964534253	Sour	2020	CD	Pop					
958564642239	Fearless	2010	CD	Country					
983735355987	Christmas Classics	1999	CD	Holiday					
798234548978	After Hours	2015	CD	Rap					
985454758653	Take Care	2020	CD	Rap					

