RS@SC-C214-PC07

Data Dictionary

22.01.2021

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RS@SC-C214-PC07

1. Tables

1.1. Table: comments

Columns

		Name	Data type	Description / Attributes
📋	🔑	id	int	Row ID **Identity / Auto increment**
📋	🔑	number	varchar(64)	Unique identifier
📋		text	varchar(254)	The content of the comment **Nullable**
📋		user_id	int	ID of the author **References**: users
📋		post_id	int	ID of the post **References**: posts

Links to

	Table	Join	Title / Name / Description
⤚	posts	**comments**post_id = postsid	FK__comments__post_i__6FE99F9F
⤚	users	**comments**user_id = usersid	FK__comments__user_i__6EF57B66

Unique keys

	Columns	Name / Description
🔑	id	PK__comments__3213E83F14597446
🔑	number	uniqueComment

1.2. Table: discussions

Columns

		Name	Data type	Description / Attributes
🗏	🔑	id	int	Row ID **Identity / Auto increment**
🗏	🔑	number	varchar(64)	Unique identifier
🗏		creationDate	date	Creation date of the discussion **Nullable** **Default**: getdate()

Linked from

	Table	Join	Title / Name / Description
⤙	messages	**discussions**id = messagesdiscussion_id	FK__messages__discus__5441852A
⤙	users_maintain_discussions	**discussions**id = users_maintain_discussionsdiscussion_id	FK__users_mai__discu__5629CD9C

Unique keys

	Columns	Name / Description
🔑	id	PK__discussi__3213E83F4EB9520B
🔑	number	uniqueDiscussion

1.3. Table: messages

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐	🔑	number	varchar(64)	Unique identifier
🗐		creationDate	date	Creation date of the message **Nullable** **Default**: getdate()
🗐		modificationDate	date	Modification date of the message **Nullable** **Default**: getdate()
🗐		user_id	int	ID of the author of the message **References**: users
🗐		discussion_id	int	The discussion which contains the message **References**: discussions

Links to

	Table	Join	Title / Name / Description
⊱	discussions	**messages**discussion_id = discussionsid	FK__messages__discus__5441852A
⊱	users	**messages**user_id = usersid	FK__messages__user_i__534D60F1

Unique keys

	Columns	Name / Description
🔑	id	PK__messages__3213E83FFB5D4B6C
🔑	number	uniqueMessage

1.4. Table: orders

Columns

		Name	Data type	Description / Attributes
▤	🔑	id	int	Row ID **Identity / Auto increment**
▤	🔑	number	varchar(64)	Unique identifier
▤		date	date	Order date **Nullable** **Default**: getdate()
▤		clientNumber	varchar(64)	The unique identifier of the client **Nullable**
▤		totalPrice	decimal(5, 2)	Total price at the time of purchase **Nullable**
▤		user_id	int	ID of the client (user) **References**: users
▤		state_id	int	The ID for the order state like: Shipped, ready, etc… **References**: states

Links to

	Table	Join	Title / Name / Description
⊱	states	**orders**state_id = statesid	FK__orders__state_id__5812160E
⊱	users	**orders**user_id = usersid	FK__orders__user_id__571DF1D5

Linked from

	Table	Join	Title / Name / Description
⊰	orders_contain_products	**orders**id = orders_contain_productsorder_id	FK__orders_co__order__5EBF139D

Unique keys

	Columns	Name / Description
🔑	id	PK__orders__3213E83F52A41878
🔑	number	uniqueOrder

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1.5. Table: orders_contain_products

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐		product_id	int	The product id **References**: products
🗐		order_id	int	The order id **References**: orders

Links to

	Table	Join	Title / Name / Description
⤙	orders	**orders_contain_products**order_id = ordersid	FK__orders_co__order__5EBF139D
⤙	products	**orders_contain_products**product_id = productsid	FK__orders_co__produ__5DCAEF64

Unique keys

	Columns	Name / Description
🔑	id	PK__orders_c__3213E83FF81C44FC

1.6. Table: pages

Columns

		Name	Data type	Description / Attributes
📇	🔑	id	int	Row ID **Identity / Auto increment**
📇	🔑	name	varchar(45)	Page name and Unique identifier
📇		description	varchar(255)	Page Description (Bio) **Nullable**
📇		webSite	varchar(128)	Page website **Nullable**
📇		email	varchar(128)	Page email **Nullable**
📇		phoneNumber	varchar(13)	Page Phone number **Nullable**
📇		user_id	int	Owner ID (user) **References**: users

Links to

	Table	Join	Title / Name / Description
⤚	users	**pages**user_id = **users**id	FK__pages__user_id__628FA481

Linked from

	Table	Join	Title / Name / Description
⤙	posts	**pages**id = **posts**page_id	FK__posts__page_id__6A30C649
⤙	users_follow_pages	**pages**id = **users_follow_pages**page_id	FK__users_fol__page___6477ECF3
⤙	users_manage_pages	**pages**id = **users_manage_pages**page_id	FK__users_man__page___66603565

Unique keys

	Columns	Name / Description
🔑	id	PK__pages__3213E83F77E2BF8B
🔑	name	uniquePage

1.7. Table: posts

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐	🔑	number	varchar(64)	Unique identifier
🗐		pictureLink	varchar(64)	Link to the picture **Nullable**
🗐		title	varchar(64)	Post title **Nullable**
🗐		description	varchar(128)	Post description **Nullable**
🗐		user_id	int	A user id(Owner of the post) can be null because the post can be posted by a page **Nullable** **References**: users
🗐		page_id	int	A page id(Owner of the post) can be null because the post can be posted by an user **Nullable** **References**: pages

Links to

	Table	Join	Title / Name / Description
⤙	pages	**posts**page_id = pagesid	FK__posts__page_id__6A30C649
⤙	users	**posts**user_id = usersid	FK__posts__user_id__693CA210

Linked from

	Table	Join	Title / Name / Description
⤛	comments	**posts**id = commentspost_id	FK__comments__post_i__6FE99F9F
⤛	posts_possess_types	**posts**id = posts_possess_typespost_id	FK__posts_pos__post___6D0D32F4
⤛	users_like_posts	**posts**id = users_like_postspost_id	FK__users_lik__post___6C190EBB

Unique keys

	Columns	Name / Description
🔑	id	PK__posts__3213E83F5219A0E2
🔑	number	uniquePost

1.8. Table: posts_possess_types

Columns

		Name	Data type	Description / Attributes
▤	🔑	id	int	Row ID **Identity / Auto increment**
▤		post_id	int	Post ID **References**: posts
▤		type_id	int	Type ID **References**: types

Links to

	Table	Join	Title / Name / Description
⤛	posts	**posts_possess_types**post_id = postsid	FK__posts_pos__post___6D0D32F4
⤛	types	**posts_possess_types**type_id = typesid	FK__posts_pos__type___6E01572D

Unique keys

	Columns	Name / Description
🔑	id	PK__posts_po__3213E83FF84C34EF

1.9. Table: products

Columns

		Name	Data type	Description / Attributes
▤	🔑	id	int	Row ID **Identity / Auto increment**
▤	🔑	productNumber	varchar(64)	Unique product identification number **Nullable**
▤		model	varchar(64)	Product model **Nullable**
▤		brand	varchar(128)	Product brand **Nullable**
▤		price	decimal(5, 2)	Product price **Nullable**
▤		description	varchar(128)	Description of the product **Nullable**
▤		pictureLink	varchar(64)	Link to the picture of the product **Nullable**

Linked from

	Table	Join	Title / Name / Description
⤙	orders_contain_products	**products**id = orders_contain_productsproduct_id	FK__orders_co__produ__5DCAEF64
⤙	stores_possess_products	**products**id = stores_possess_productsproduct_id	FK__stores_po__produ__5CD6CB2B

Unique keys

	Columns	Name / Description
🔑	id	PK__products__3213E83F4B3A89F1
🔑	productNumber	uniqueProduct

1.10. Table: sessions

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐	🔑	token	varchar(128)	Unique identifier
🗐		user_id	int	User ID **References**: users

Links to

Table	Join	Title / Name / Description
⤚ users	**sessions**user_id = usersid	FK__sessions__user_i__619B8048

Unique keys

	Columns	Name / Description
🔑	id	PK__sessions__3213E83F82BB011D
🔑	token	uniqueSession

1.11. Table: states

Columns

		Name	Data type	Description / Attributes
🗏	🔑	id	int	Row ID **Identity / Auto increment**
🗏	🔑	name	varchar(45)	State name

Linked from

	Table	Join	Title / Name / Description
⤙	orders	**states**id = ordersstate_id	FK__orders__state_id__5812160E

Unique keys

	Columns	Name / Description
🔑	id	PK__states__3213E83FCB55894F
🔑	name	uniqueState

1.12. Table: stores

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐	🔑	name	varchar(45)	Store name
🗐		description	varchar(128)	Store description (Like a bio) **Nullable**
🗐		webSite	varchar(128)	Store Website **Nullable**
🗐		email	varchar(128)	Store email **Nullable**
🗐		phoneNumber	varchar(13)	Store phone number **Nullable**
🗐		user_id	int	User ID (Owner of the store) **References**: users

Links to

	Table	Join	Title / Name / Description
⤙	users	**stores**user_id = **users**id	FK__stores__user_id__59063A47

Linked from

	Table	Join	Title / Name / Description
⤙	stores_possess_products	**stores**id = **stores_possess_products**store_id	FK__stores_po__store__5BE2A6F2
⤙	users_follow_stores	**stores**id = **users_follow_stores**store_id	FK__users_fol__store__5AEE82B9

Unique keys

	Columns	Name / Description
🔑	id	PK__stores__3213E83F60FCA65C
🔑	name	uniqueStore

1.13. Table: stores_possess_products

Columns

		Name	Data type	Description / Attributes
▤	🔑	id	int	Row ID **Identity / Auto increment**
▤		store_id	int	Store ID **References**: stores
▤		product_id	int	Product ID **References**: products

Links to

	Table	Join	Title / Name / Description
⤙	products	**stores_possess_products**product_id = productsid	FK__stores_po__produ__5CD6CB2B
⤙	stores	**stores_possess_products**store_id = storesid	FK__stores_po__store__5BE2A6F2

Unique keys

	Columns	Name / Description
🔑	id	PK__stores_p__3213E83FC8FB30EF

1.14. Table: stories

Columns

		Name	Data type	Description / Attributes
▤	🔑	id	int	Row ID **Identity / Auto increment**
▤	🔑	number	varchar(64)	Unique identifier
▤		timeout	datetime	Date of expiration of the story **Nullable**
▤		path	varchar(64)	Path to the picture or the video **Nullable**
▤		user_id	int	User ID **References**: users

Links to

	Table	Join	Title / Name / Description
⤚	users	**stories**user_id = **users**id	FK__stories__user_id__52593CB8

Unique keys

	Columns	Name / Description
🔑	id	PK__stories__3213E83F03C1AB3C
🔑	number	uniqueStorie

1.15.   Table: types

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐	🔑	name	varchar(45)	Type name

Linked from

	Table	Join	Title / Name / Description
⤛	posts_possess_types	**types**id = posts_possess_typestype_id	FK__posts_pos__type___6E01572D
⤛	users_possess_types	**types**id = users_possess_typestype_id	FK__users_pos__type___68487DD7

Unique keys

	Columns	Name / Description
🔑	id	PK__types__3213E83FE22888AF
🔑	name	uniqueType

1.16. Table: users

Columns

		Name	Data type	Description / Attributes
🗎	🔑	id	int	Row ID **Identity / Auto increment**
🗎	🔑	number	varchar(64)	User unique identifier
🗎	🔑	accountName	varchar(45)	Account name (permanent and unique)
🗎		username	varchar(45)	Public display name **Nullable**
🗎		email	varchar(128)	Account email (private) **Nullable**
🗎		phoneNumber	varchar(13)	Phone number for authentication (private) **Nullable**
🗎		birthDate	date	Date of birth (for terms of service)

Linked from

	Table	Join	Title / Name / Description
⤙	comments	**users**id = commentsuser_id	FK__comments__user_i__6EF57B66
⤙	messages	**users**id = messagesuser_id	FK__messages__user_i__534D60F1
⤙	orders	**users**id = ordersuser_id	FK__orders__user_id__571DF1D5
⤙	pages	**users**id = pagesuser_id	FK__pages__user_id__628FA481
⤙	posts	**users**id = postsuser_id	FK__posts__user_id__693CA210
⤙	sessions	**users**id = sessionsuser_id	FK__sessions__user_i__619B8048
⤙	stores	**users**id = storesuser_id	FK__stores__user_id__59063A47
⤙	stories	**users**id = storiesuser_id	FK__stories__user_id__52593CB8
⤙	users_follow_pages	**users**id = users_follow_pagesuser_id	FK__users_fol__user___6383C8BA
⤙	users_follow_stores	**users**id = users_follow_storesuser_id	FK__users_fol__user___59FA5E80
⤙	users_follow_users	**users**id = users_follow_usersuser_id0	FK__users_fol__user___5FB337D6
⤙	users_follow_users	**users**id = users_follow_usersuser_id1	FK__users_fol__user___60A75C0F
⤙	users_like_posts	**users**id = users_like_postsuser_id	FK__users_lik__user___6B24EA82
⤙	users_maintain_discussions	**users**id = users_maintain_discussionsuser_id	FK__users_mai__user___5535A963
⤙	users_manage_pages	**users**id = users_manage_pagesuser_id	FK__users_man__user___656C112C
⤙	users_possess_types	**users**id = users_possess_typesuser_id	FK__users_pos__user___6754599E

Unique keys

	Columns	Name / Description
🔑	id	PK__users__3213E83F3AC967BC
🔑	accountName	uniqueAccountName
🔑	number	uniqueNumber

1.17. Table: users_follow_pages

Columns

		Name	Data type	Description / Attributes
🗏	🔑	id	int	ROW ID **Identity / Auto increment**
🗏		user_id	int	User ID **References**: users
🗏		page_id	int	Page ID **References**: pages

Links to

	Table	Join	Title / Name / Description
⊶	pages	**users_follow_pages**page_id = pagesid	FK__users_fol__page___6477ECF3
⊶	users	**users_follow_pages**user_id = usersid	FK__users_fol__user___6383C8BA

Unique keys

	Columns	Name / Description
🔑	id	PK__users_fo__3213E83F2B9B9FB7

1.18. Table: users_follow_stores

Columns

		Name	Data type	Description / Attributes
▤	🔑	id	int	Row ID **Identity / Auto increment**
▤		user_id	int	User ID **References**: users
▤		store_id	int	Store ID **References**: stores

Links to

	Table	Join	Title / Name / Description
⤙	stores	**users_follow_stores**store_id = storesid	FK__users_fol__store__5AEE82B9
⤙	users	**users_follow_stores**user_id = usersid	FK__users_fol__user___59FA5E80

Unique keys

	Columns	Name / Description
🔑	id	PK__users_fo__3213E83FBB5D4C1A

1.19.   Table: users_follow_users

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐		user_id0	int	User ID (follower) **References**: users
🗐		user_id1	int	User ID (followed) **References**: users

Links to

	Table	Join	Title / Name / Description
⤚	users	**users_follow_users**user_id0 = usersid	FK__users_fol__user___5FB337D6
⤚	users	**users_follow_users**user_id1 = usersid	FK__users_fol__user___60A75C0F

Unique keys

	Columns	Name / Description
🔑	id	PK__users_fo__3213E83F84CBBBB0

1.20. Table: users_like_posts

Columns

		Name	Data type	Description / Attributes
🗒	🔑	id	int	Row ID **Identity / Auto increment**
🗒		user_id	int	User ID **References**: users
🗒		post_id	int	Post ID **References**: posts

Links to

	Table	Join	Title / Name / Description
⤙	posts	**users_like_posts**post_id = postsid	FK__users_lik__post___6C190EBB
⤙	users	**users_like_posts**user_id = usersid	FK__users_lik__user___6B24EA82

Unique keys

	Columns	Name / Description
🔑	id	PK__users_li__3213E83F8C5008B9

1.21. Table: users_maintain_discussions

Columns

		Name	Data type	Description / Attributes
▤	🔑	id	int	Row ID **Identity / Auto increment**
▤		user_id	int	User ID **References**: users
▤		discussion_id	int	Discussion ID **References**: discussions

Links to

	Table	Join	Title / Name / Description
⊱	discussions	**users_maintain_discussions**discussion_id = discussionsid	FK__users_mai__discu__5629CD9C
⊱	users	**users_maintain_discussions**user_id = usersid	FK__users_mai__user___5535A963

Unique keys

	Columns	Name / Description
🔑	id	PK__users_ma__3213E83F517DAC0F

1.22.   Table: users_manage_pages

Columns

		Name	Data type	Description / Attributes
🗊	🔑	id	int	Row ID **Identity / Auto increment**
🗊		type	varchar(45)	Type of management right **Nullable**
🗊		user_id	int	User ID **References**: users
🗊		page_id	int	Page ID **References**: pages

Links to

	Table	Join	Title / Name / Description
⊶	pages	**users_manage_pages**page_id = pagesid	FK__users_man__page___66603565
⊶	users	**users_manage_pages**user_id = usersid	FK__users_man__user___656C112C

Unique keys

	Columns	Name / Description
🔑	id	PK__users_ma__3213E83F8B30CBF0

1.23. Table: users_possess_types

Columns

		Name	Data type	Description / Attributes
🗐	🔑	id	int	Row ID **Identity / Auto increment**
🗐		user_id	int	User ID **References**: users
🗐		type_id	int	Type ID **References**: types

Links to

	Table	Join	Title / Name / Description
⤙	types	**users_possess_types**type_id = typesid	FK__users_pos__type__68487DD7
⤙	users	**users_possess_types**user_id = usersid	FK__users_pos__user__6754599E

Unique keys

	Columns	Name / Description
🔑	id	PK__users_po__3213E83FA24F61A4

2. Views

2.1. View: registry

Columns

		Name	Data type	Description / Attributes
▤		comments	int	Number of comments **Nullable**
▤		discussions	int	Number of discussions **Nullable**
▤		messages	int	Number of messages **Nullable**
▤		orders	int	Number of orders **Nullable**
▤		orders_contain_products	int	Number of links between orders and products **Nullable**
▤		pages	int	Number of pages **Nullable**
▤		posts	int	Number of posts **Nullable**
▤		posts_possess_types	int	Number of links between pages and types **Nullable**
▤		products	int	Number of products **Nullable**
▤		sessions	int	Number of sessions **Nullable**
▤		states	int	Number of states **Nullable**
▤		stores	int	Number of stores **Nullable**
▤		stores_possess_products	int	Number of links between stores and products **Nullable**
▤		stories	int	Number of stories **Nullable**
▤		types	int	Number of types **Nullable**
▤		users	int	Number of users **Nullable**
▤		users_follow_pages	int	Number of follows on pages **Nullable**
▤		users_follow_stores	int	Number of follows on stores **Nullable**
▤		users_follow_users	int	Number of follows on users **Nullable**
▤		users_like_posts	int	Number of users likes on posts **Nullable**
▤		users_maintain_discussions	int	Number of link between users and discussions **Nullable**

		Name	Data type	Description / Attributes
▤		users_manage_pages	int	Number of user managing pages links **Nullable**
▤		users_possess_types	int	Number of link between users and types **Nullable**