

8. Data Dictionary

A data dictionary, as represented in **Error! Reference source not found.**, defines the basic organization of a database. In the table header, “PK” and “FK” field stand for “Primary Key” and “Foreign Key” respectively while the other fields are self-explanatory.

Table 8-1: Data dictionary

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
Bank_Account	Contains user's bank account information needed for payment.	account_name	User's bank account name	STRING	50			Longer than 7 characters	Mr. John Smith	N
		account_ID	User's bank account ID	STRING	15	✓		Match bank account id format	11022355219	N
		bank	Bank the account was opened at	STRING	50				Siam Commercial Bank	N
		branch	Branch of the Bank account was opened at	STRING	50				Chulalongkorn University	N
Credit_Card	Contains user's credit card information needed for payment.	card_number	User's credit card number	STRING	16	✓		Match card number format	1234999912349999	N
		type	Credit card type (e.g. Visa, MasterCard)	INTEGER	1				1	N
		expiry_date	The expiry date on the card	STRING	5			Date is in the future	09/19	N
		card_holder_name	Name of the card holder on the card	STRING	50				Mr. John Smith	N

Comment [PS2]: Update inside horizontal border style across pages

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
		verification_number	Verification number on the back of the credit card	STRING	4				1234	N
Vendor	Vendor information	profile_image	URL to vendor's image	STRING	50				http://whalemart.in.th/images/profile-01	N
		contact_info	Vendor's contact information such as Facebook or Instagram	STRING	150				https://www.instagram.com/jchenlong/	N
		is_verified	Mark if the vendor is verified by admin	BOOL	1				True	N
		facebook_token	Token for logging in with Facebook	STRING	100				SD12A3SD1513DAS...	Y
		full_name	Vendor's name and surname	STRING	100				Mr. John Smith	N
		email	Vendor's email	STRING	50			Match email pattern	john.smith@gmail.com	N
		phone_number	Vendor's phone number	STRING	10			9-10 Digit and match phone number pattern	0811231234	N
		username	Username for logging in to the system	STRING	30	✓			john_smith	N
		password	Encrypted password for logging in to the system	STRING	50				111912ad4237f28e8f847bb2e3d297b	N

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
									a33a8cb743 4aadb5b3f1 c10511e4c0 78323456	
Rating	Defines relation between vendor, lessor, and the rating vendor gave to the lessor	rating_score	Rating vendor gives to lessor after the event ended	INTEGER	1			1-5	4	N
		timestamp	Time when the rating is made	TIMESTAMP	10				1505764504	N
		vendor_username	Username of the rater	STRING	30	✓	✓		john_smith	N
		lessor_id	Id of the lessor who is being rated	INTEGER	10	✓	✓		1	N
Lessor	Lessor information	lessor_id	Lessor ID	INTEGER	10	✓			1	N
		lessor_name	Lessor full name	STRING	50				Mr. John Smith	N
		summary_rating_score	Rating processed by the system from all rating given to the lessor	FLOAT	3				4.5	N
Report	Defines relation between vendor, lessor, and the report lessor made towards vendor	vendor_username	Username of the vendor who is being reported	STRING	30	✓	✓		john_smith	N
		lessor_id	Id of the lessor who made the report	INTEGER	10	✓	✓		1	N

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
		description	Details about the cause of the report	STRING	500				No accessory provided	N
		timestamp	Time that the report is filed	TIMESTAMP	10				1505764504	N
Product	Product Information	name	Name of the product	STRING	50	✓			Chocopie	N
		image	URL of the image of product	STRING	255				https://whalemart.in.th/images/product-01	N
		vendor_username	Username of the vendor who owns this product	STRING	30	✓	✓		john_smith	N
Reserve_Info	Defines relation between vendor, booth, and the reservation they made	shop_name	Name of the shop for this reservation	STRING	50	✓			John Shop	N
		timestamp	Timestamp that this reservation is made	TIMESTAMP	10				1505764504	N
		status	The status of this reservation whether it's been approved	STRING	20				Approved	N
		vendor_username	Username of the vendor who makes reservation	STRING	30	✓	✓		john_smith	N
		booth_no	Number of the booth that is reserved	STRING	10	✓	✓		A01	N
		market_id	Market id of the market of the booth	STRING	10	✓	✓		1	N

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
Market	Market Information	market_id	Unique id of the market	STRING	10	✓			11A532	N
		name	Name of the market	STRING	50				John Market	N
		opening_date	Opening date of the market	DATE	1				19-09-2017	N
		closed_date	Closed date of the market	DATE	1			Date must be after the opening date	19-09-2017	N
		opening_time	Opening time of the market	TIME	1				10:30:00	N
		closed_time	Closed time of the market	TIME	1			Time must be after the opening time	23:15:00	N
		provided_accessories	Description of the accessories provided in this market	STRING	300				Light and electricity	Y
		contact_person_phone_number	Phone number of the contact person of this market	STRING	15				0811231234	N
		contact_person_email	Email of the contact person of this market	STRING	30				john.smith@gmail.com	N
		contact_person_fullname	Full name of the contact person of this market	STRING	20				Mr. John Smith	N

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
		deposit_payment_due_date	Due date of the deposit payment	DATETIME	1				2017-09-18T19:55:04+00:00	N
		full_payment_due_date	Due date of the full payment	DATETIME	1				2017-09-18T19:55:04+00:00	N
		num_visitor_estimate	Number of estimated visitor of this market	INTEGER	1				1000	Y
		description	Description of this market	STRING	300				Market for youngster	Y
		layout_image	Url to the image of the layout (map) of the booths in this market	STRING	200				https://whalemart.in.th/images/layout-01	N
		event_theme		STRING	50				Food and Fun	Y
		scenes	List of URLs linked to the image of the scenes of this market	STRING	200				[https://whalemart.in.th/images/layout-01, http://whalemart.in.th/images/layout-01]	Y
		terms_and_conditions	String of terms and conditions that vendors need to follow in order to lend the booth	STRING	1000				No Alcohol	Y

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
		cover_photo	URL of the cover photo for this market to display in the landing page	STRING	200				https://whalemart.in.th/images/cover-01	Y
Rental_Payment_Info		rental_payment_id	Unique id of the payment.	STRING	15	✓			11A532	N
		vendor_username	Username of the vendor who pay	STRING	30	✓	✓		john_smith	N
		booth number	Booth number of the booth that the vendor pays	STRING	10	✓	✓		12A	N
		market_id	Market that the booth belongs to	STRING	10	✓	✓		11A532	N
		status	Status of this payment whether it's verified	STRING	30				Verified	N
Booth	Booth Information	market_id	Id of the market that this booth belongs to	STRING	10	✓			11A532	N
		booth_number	Unique number of the booth	STRING	10	✓	✓		A23	N
		rental_fee	Amount of fee to rent this booth	FLOAT	1				5000	N
Installment		rental_payment_id	Payment id that this installment is paid for	STRING	15	✓	✓		11A532	N
		round	The number of round that the payment has been made	INTEGER	10	✓			1	N

Relation Name	Relation Description	Attribute Name	Attribute Description	Data Type	Length	P K	F K	Constraints	Example of Attribute Value	Nullable
		vendor_username	Username of the vendor who pay this installment	STRING	30				john_smith	N
		booth_number	The booth number that this installment is paid for	STRING	10				A23	N
Admin		username	Username for logging in to the system	STRING	30	✓	✓		john_smith	N
		password	Encrypted password for logging in to the system	STRING	50				11912ad4237f28e8f847b b2e3d297ba33a8cb7434 aadb5b3f1c10511e4c0783	N
		email	Admin's email	STRING	50				john.smith@gmail.com	N
		full_name	Admin's name and surname	STRING	50				Mr. John Smith	N