Resorts at Kyrgyzstan Database

Sample Record	Field	1NF	2NF	3NF	
1	Resort ID	*Table 1 - Resorts_Table*	*Table 1 - Resorts_Table*	*Table 1 - Resorts_Table*	**1NF**
Golden Sand Beach Resort, Akmaral Ski Resort	Resort names	resort_id (PK)	resort_id (PK)	resort_id (PK)	In first normal form I tried to remove all the repeating groups that were
Issyk-kul Ave 57	Resort address	resort_names	resort_names	resort_names	there. I didn't put hometown in the first normal form because it would be
3	Nearest city to the resort	resort_address	resort_address	resort_address	more important in third normal form.
1,2,3	City ID	resort_nearest_city	resort_nearest_city	resort_nearest_city(FK)	
Bishkek, Karakol, Cholpon Ata	City names	city_name	city_name		
300000	City population	city_population	city_population	*Table 2 - City_Table*	**2NF**
Mansur, Amir, Azamat	Employee first names			city_id (PK)	In second normal form I tried to remove all the partial dependencies that
Shakipov, Atambaev, Yusupov	Employee last names	*Table 2 - Employees_Table*	*Table 2 - Employees_Table*	city_names	were there. Went from having 3 tables to have 6 tables. I had to split up the
Manager, Cook, Waiter	Employee roles	employee_id (PK)	employee_id (PK)	population	events tables. I have to create a table for caterers with there names and
1	Employee hometown	resort_id (FK/CPK)	employee_first_name		cuisine types. Also there is a difference between the events of the resort and
Andrey and Sasha's Wedding, Khalima's 69th Birthday	Event names	employee_first_name	employee_last_name	*Table 3 - Employees_Table*	events for the caterers.
September 3, 2022	Event date	employee_last_name	roles	employee_id (PK)	
300	Number of guests			employee_first_name	**3NF**
Shah Plov, Vkusno i Tochka, Panda Express	Caterer names		*Table 3 - Events_Table*	employee_last_name	In third normal form I tried to remove all the transitive dependencies that
Uzbek, Russian, Chinese	Cuisine types		event_id (PK)	roles	were there. I added the city table and the hometown. The hometown and
			event_names	hometown(FK)	nearest city to the resort are connected to the city id.
		Table 3 - Events_Table	event_date	resort_id (FK)	
		event_id (PK)	number_of_guests		
		resort_id (FK)		*Table 4 - Events_Table*	
		event_ names		event_id (PK)	
		event_date	*Table 4 - Caterers_Table*	event_names	
		number_of_guests	caterer_id (PK)	event_date	
		caterer_names	caterer_names	number_of_guests	
		cuisine_types	cuisine_types		
				Table 5 - Caterers_Table	
			Table 5 - Resort_Events_Table	caterer_id (PK)	
			resort_id(FK/CPK)	caterer_names	
			event_id(FK/CPK)	cuisine_types	
			Table 6 - Caterer_Events_Table	*Table 6 - Resort_Events_Table*	
			resort_id (FK/CPK)	resort_id(FK/CPK)	
			caterer_id(FK/CPK)	event_id(FK/CPK)	
				Table 7 - Caterer_Events_Table	
				resort_id (FK/CPK)	
				caterer_id(FK/CPK)	