Proyek ISYS6535003

Sistem Informasi ReserveApp

Kelas : BG11

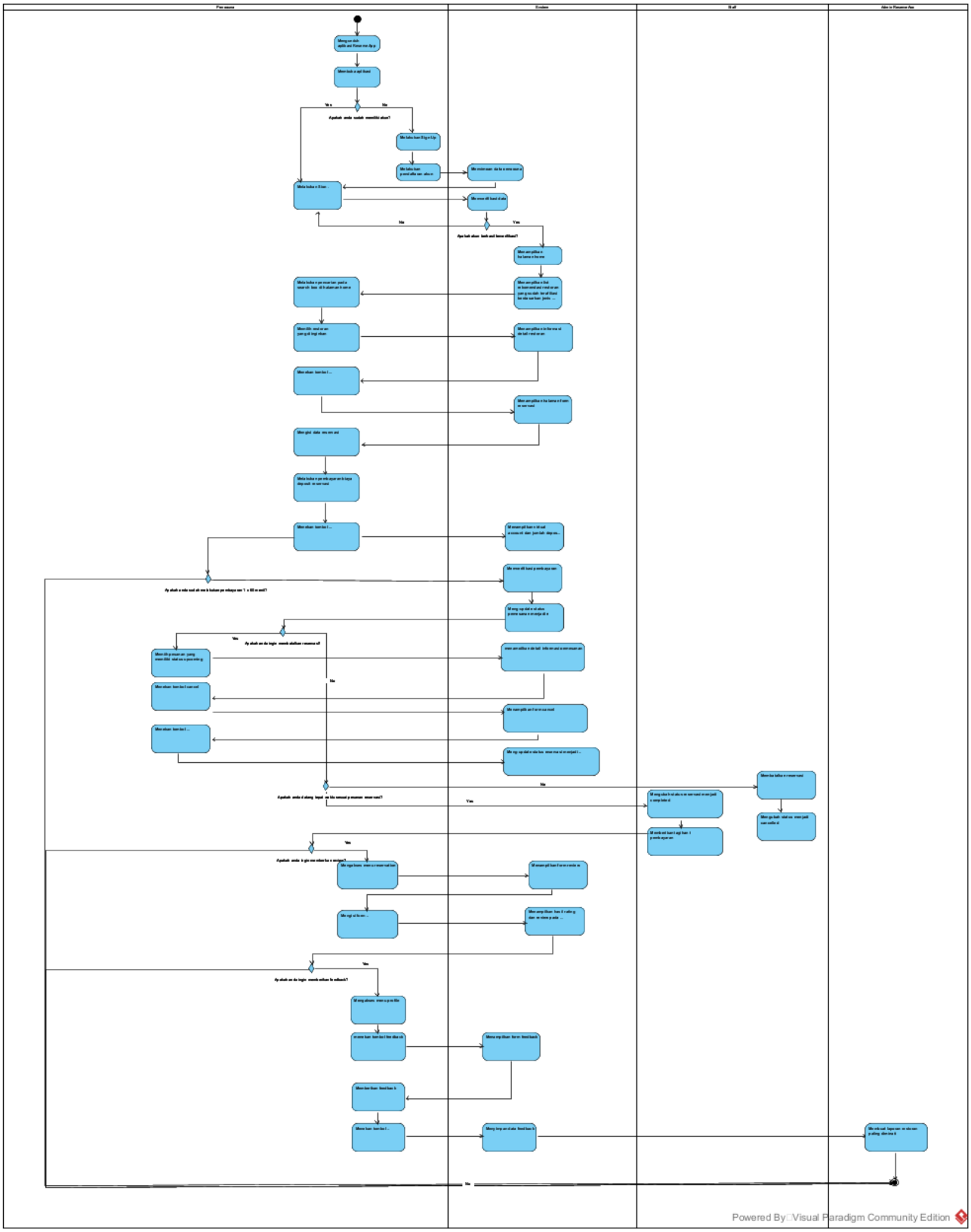
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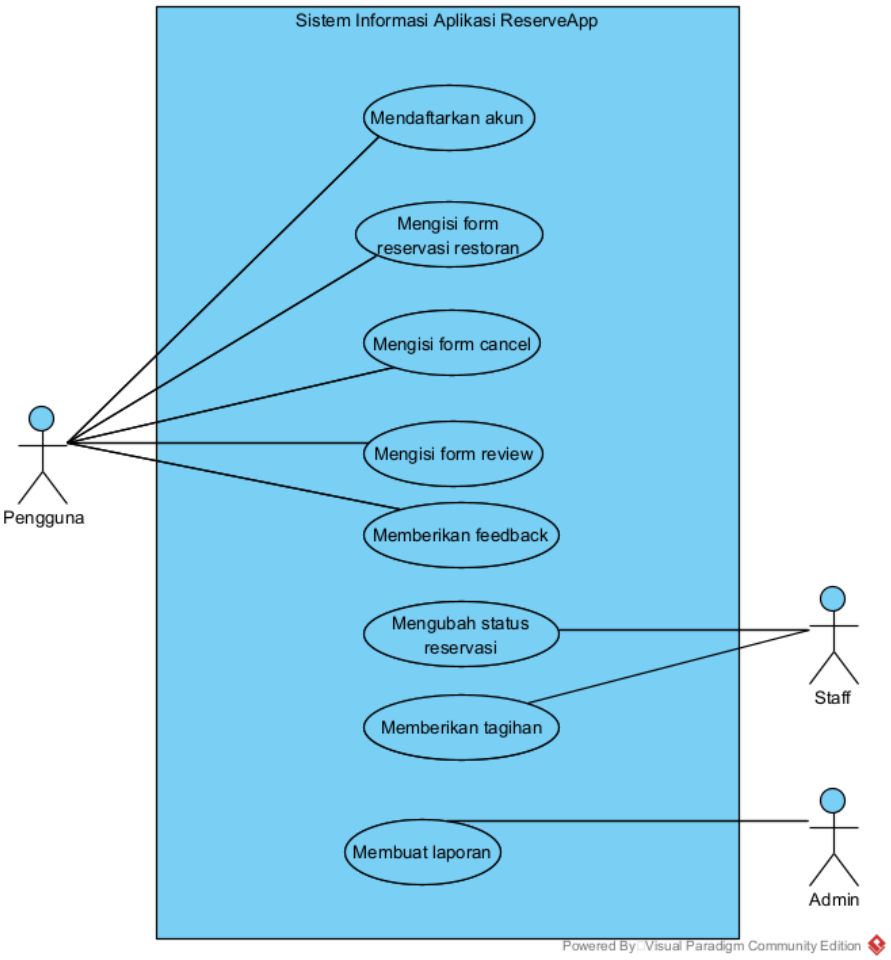


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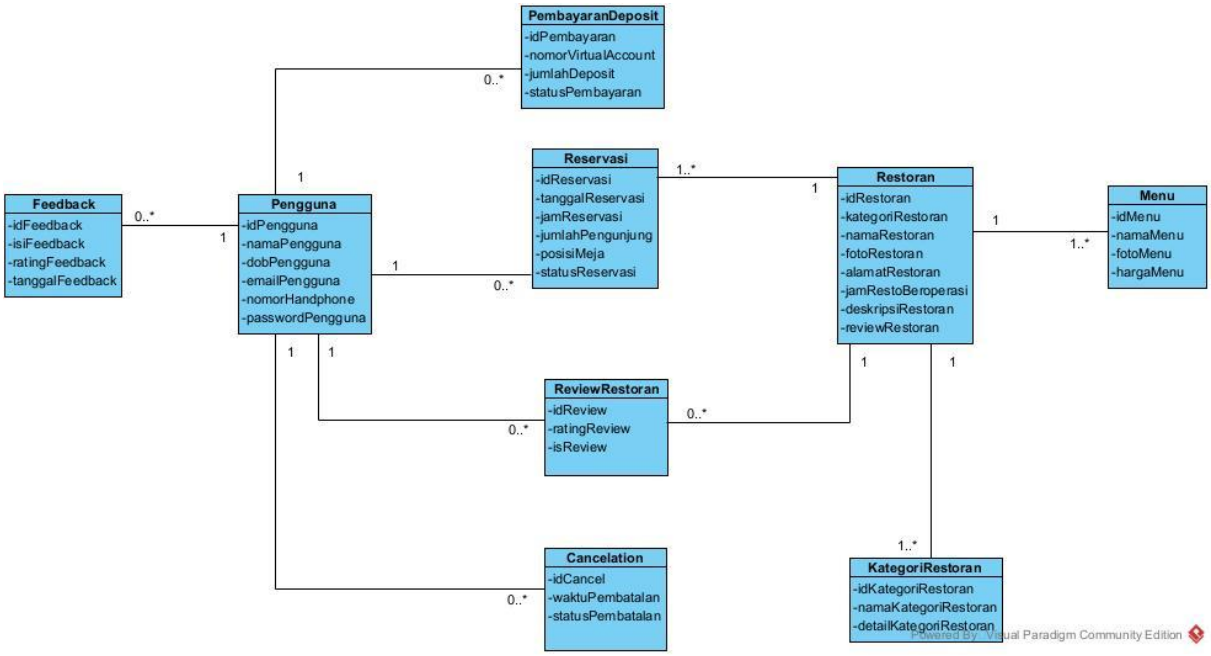
1. Activity Diagram



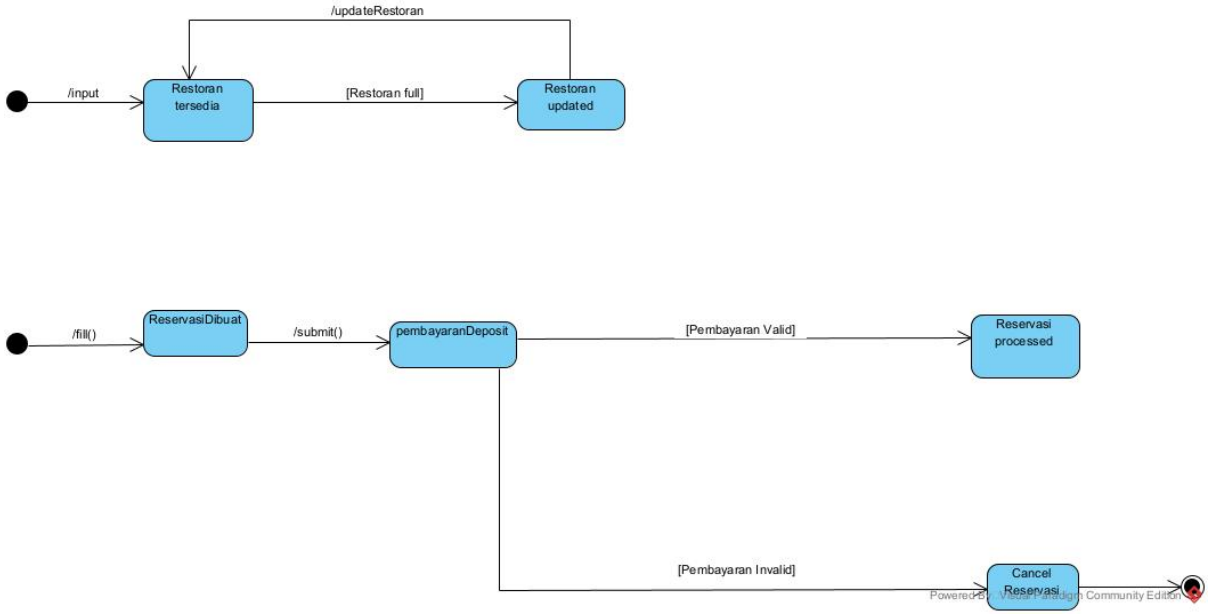
2. Use case Diagram



3. Domain Model Class Diagram



4. State Machine Diagram



5. Use Case Description

Use Case Name :	**Register**	
Scenario :	Creating new account for new user	
Triggering Event :	New user want to create new account	
Brief Description :	New user want to start to use the application	
Actors :	User	
Related Use Cases:	None	
Stakeholders:	User, System	
Preconditions :	User has access to the application and downloaded the application	
Postconditions :	Customer account must be saved and created	

Flow and Activities:	**Actor**	**System**
	1. Customer want to create account and enter their information	1.1 System create a new account
Exception Condition :	2 Customer insert form for register	1.2 System input to data
		1.3 Account created
Use Case Name :	**Reservation**	
Scenario :	Reservation for the place	
Brief Description :	user want to do reservation through the application by choosing the reservation button.	
Actors :	User	
Related Use Cases:	Might be related with register use case and cancel form use case	
Stakeholders:	User, System	
Preconditions :	User have the application, user have an account, date and time must be valid, number of people, seat position and seat number must be valid	
Postconditions :	Date and time must be saved, see whether user canceled or no, table position and seat number must be saved, number of people must be saved.	
Flow and Activities:	**Actor**	**System**
	1. User want to do reservation	1.1 System validate user request

	2. User insert form for time, date, number of people.	2.1 System save the data and check for availability
		2.2 System ask for the position of seat and seat number.
	3. User insert form for seat number and seat position	3.1 System validate the data
	3. user save the reservation number	
Exception Condition :	1.1 User date and time is not valid	
	1.2 user chosen seat number and seat positon has been taken	
	1.3 user canceled the reservation	
Use Case Name :	**Cancelation**	
Scenario :	User decided to cancel the reservation	
Triggering Event :	User change his/her mind	
Brief Description :	The application provides cancelation form for if/when the user change their mind or the cant come at that time	

Actors :	User, system	
Related Use Cases:	Reservation use case	
Stakeholders:	User, system	
Preconditions :	User already do reservation	
Postconditions :	Cancelation form is saved by the system the user must change their reservation form to another time/date if they canceled	
Flow and Activities:	**Actor**	**System**
	1. Customer wanted to cancel their reservation	1.1 System ask for reason and time
	2. User insert cancelation form time and reason.	1.2 system save the data
Exception Condition :	1.1 user already registered	

Use Case Name :	Review	
Scenario :	Creating review for the restaurants	
Triggering Event :	user want to review the restaurants	
Brief Description :	User wanted to review the restaurant because maybe the restaurants food/service is goodor bad.	
Actors :	User	
Related Use Cases:	None	

Stakeholders:	User, System	
Preconditions :	User has access to the application and downloaded the appication	
Postconditions :	Systems take note for user review	
Flow and Activities:	**Actor**	**System**
	1. Customer wanted to review	1.1 System create a review tab
Exception Condition :	none	
Use Case Name :	**Changing reservation status**	
Scenario :	Changing the reservation status so that the system can know information about reservation	
Brief Description :	To change the reservation status	
Actors :	System	
Related Use Cases:	Reservation use case, cancelation use case	
Stakeholders:	System	
Preconditions :	System see the cancelation form and change the status	
Postconditions :	System shows that the application date of the canceled reservation into free.	

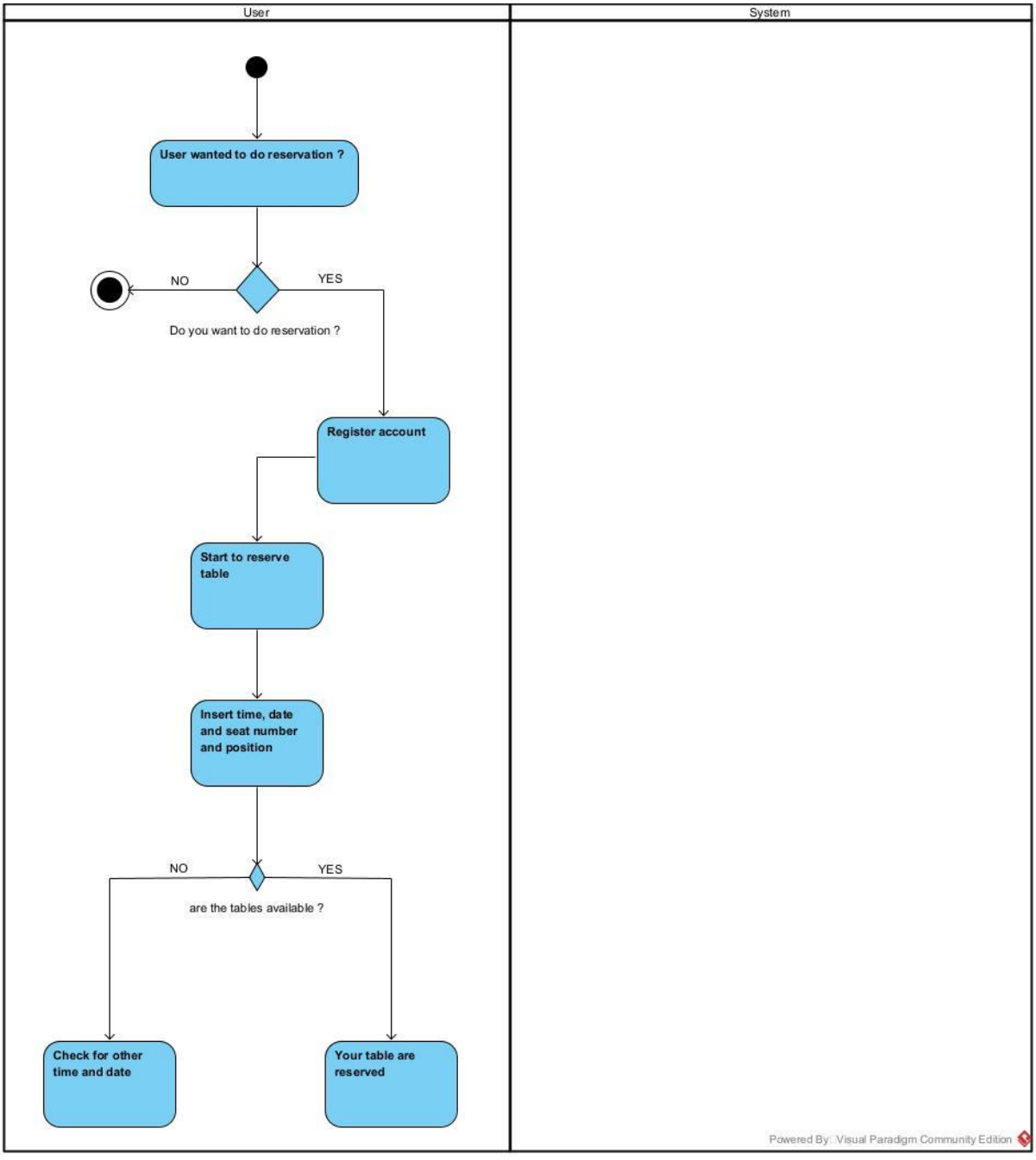
Flow and Activities:	**Actor**	**System**
		1 System changes the reservation
		1.2 System change the reservation in the application
		1.3 System validate the availability of date, time, seat position, seat number
Exception Condition :		none
Use Case Name :	**Giving bill/invoice**	
Scenario :	Provide bill for the user to checkout	
Triggering Event :	User wanted to checkout	
Brief Description :	System provides the form for payment so user can do checkout	
Actors :	System, user	
Related Use Cases:	Might be invoked by the payment use case	
Stakeholders:	Accounting, Sales	

	User Account subsystem must be available	
Preconditions :	Banks and E-wallet should be stand by and system must be ready.	
Postconditions :	System must be validated	
Flow and Activities:	**Actor**	**System**
		1 systems Provides payment form and methods
	1 User insert form	1.1 System compiled the data and provides for payment
		1.2 System connects the bank and E wallet provider
	2 User do the payment	2.1 System validates and confirms
Exception Condition :	If not success payment must retry	

Use Case Name :	**Giving report**
Scenario :	User reports to the application towards the system

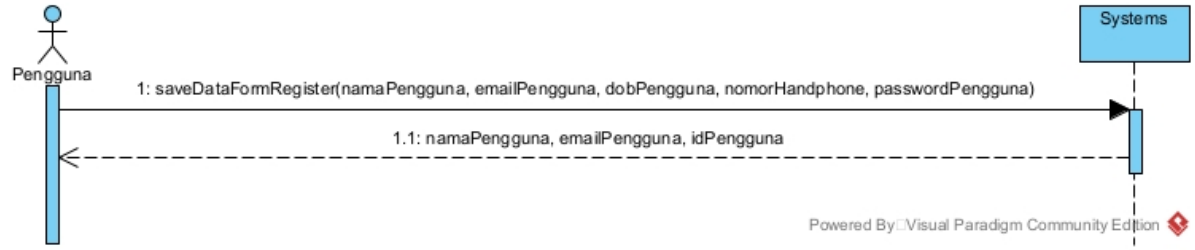
Brief Description :	The user reports for any problem about the application	
Actors :	User, system	
Related Use Cases:	none	
Stakeholders:	System	
Preconditions :	If there are any problem founded	
Postconditions :	System do some checking and fix the reported problem	
Flow and Activities:	**Actor**	**System**
	1 user reports problem	1.1 system gets notified and check for problem
		1.2 confirm to user and do a control and fix any problem
Exception Condition :		If not founded just notify user for the report

6. Activity Diagram for Use Case

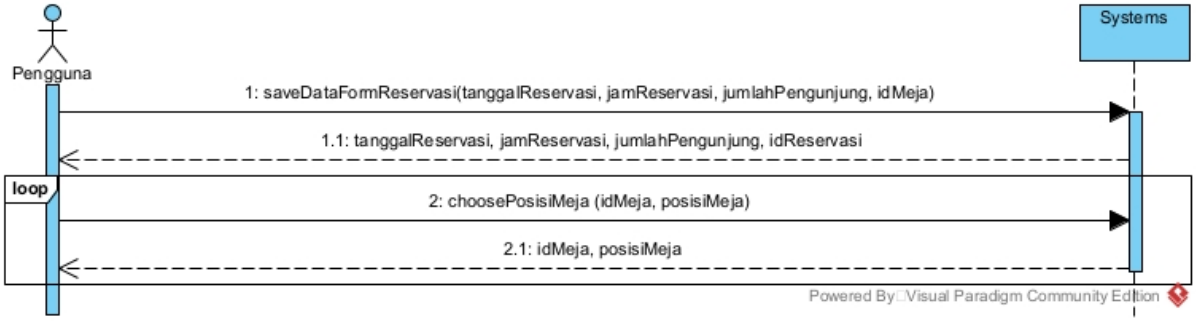


7. Use Case: System Sequence Diagram

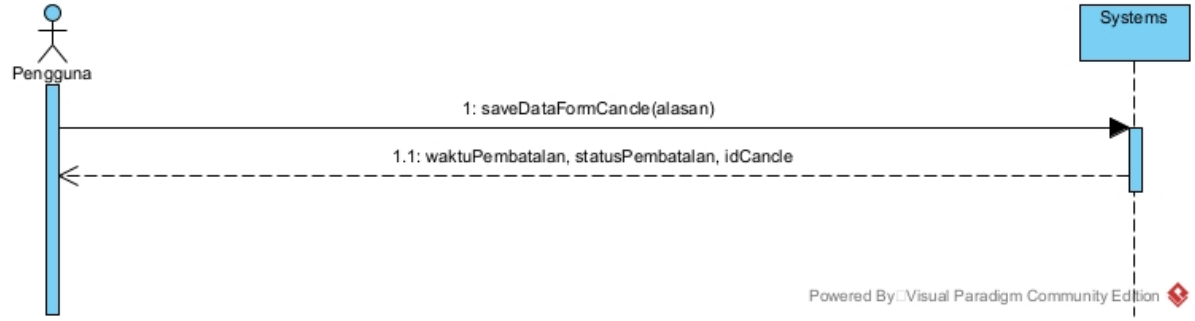
Form Register



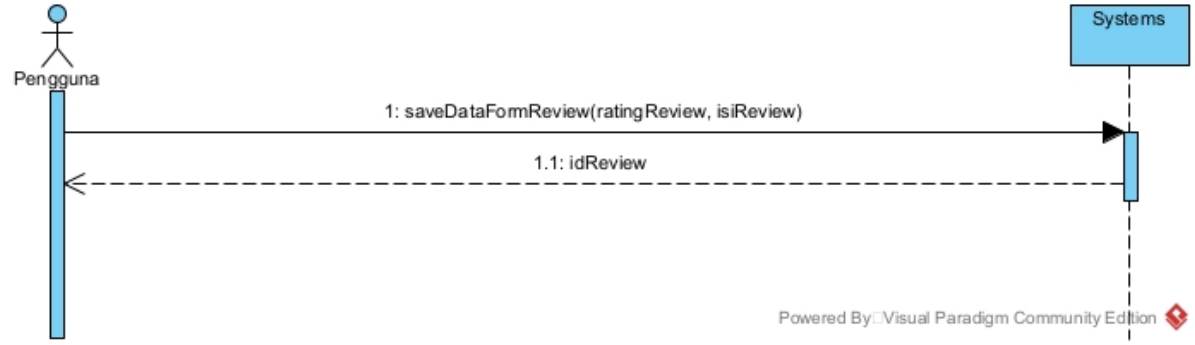
Form Reservasi



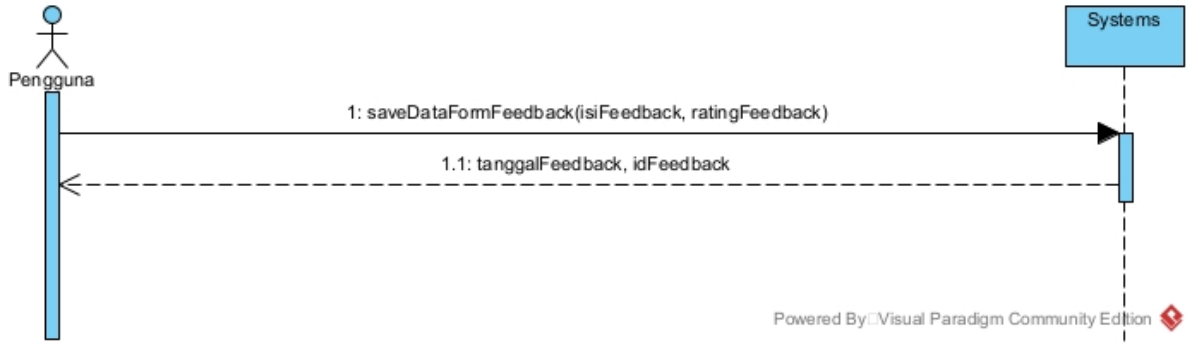
Form Cancel



Form Review



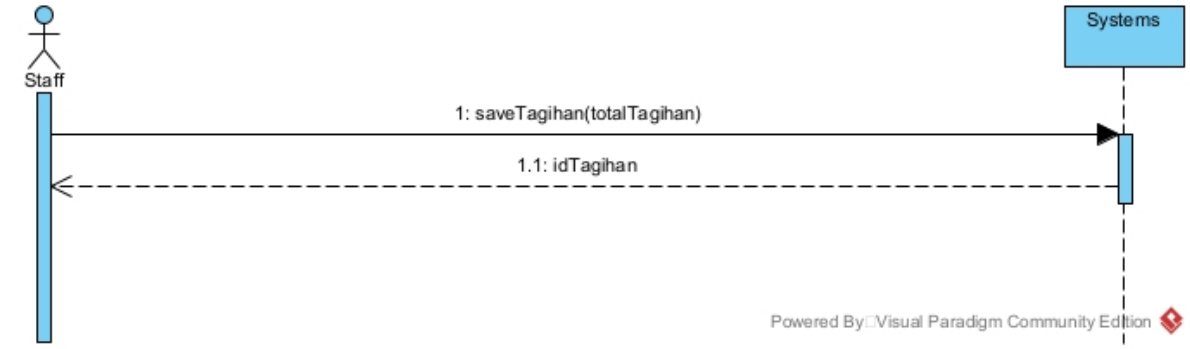
Form Feedback



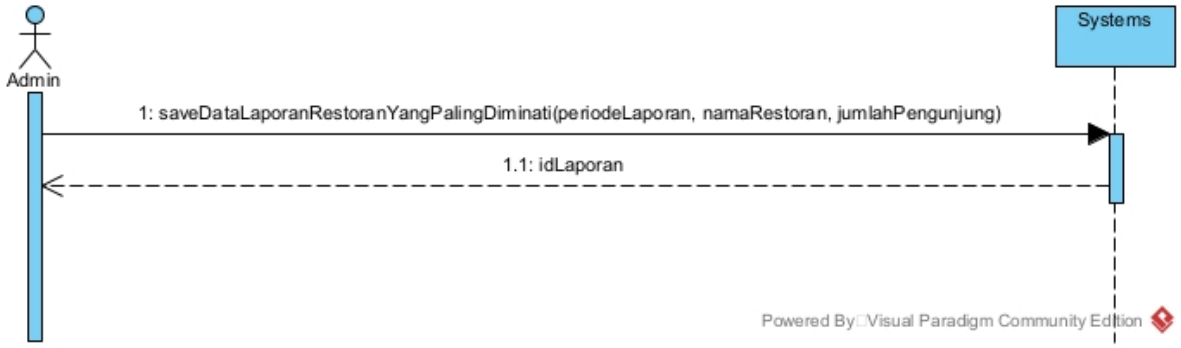
Status Reservasi



Tagihan



Laporan



8. Use Case and CRUD

Usecase/ Class	Pengguna	Reservasi	Pembayaran Deposit	Feed back	Menu	Restoran	Review Restoran	Cancelation	Kategori Restoran
Mendaftarkan akun	**C,R**	-	-	-	-	-	-	-	-
Mengisi form reservasi restoran	**R**	**C,R**	**R**	-	-	**R**	-	-	**R**
Mengisi form cancel	**R**	**R**	-	-	-	**R**	-	**C,R**	-
Mengisi form review	**R**	**R**	-	-	-	**R**	**C,R**	-	-
Memberi feedback	**R**	-	-	**C,R**	-	**R**	-	-	-
Mengubah status reservasi	-	**R**	-	-	-	**R,U**	-	**R,U**	-
Memberikan tagihan	-	-	**R**	-	**R**	**C,R**	-	-	-
Membuat laporan	-	**R**	-	-	-	**R**	-	-	-

Link Google Drive untuk gambar yang kurang jelas :
https://drive.google.com/drive/folders/1ywE7rPc_j1Atru5pv_fK_KSdevN08h_j?usp=sharing