

DATABASE TABLES

1)users

Field	Type	Null	Key	Default	Extra
user_id	int	NO	PRI	NULL	auto_increment
username	varchar(255)	NO		NULL	
password	varchar(255)	NO		NULL	
role	varchar(50)	NO		NULL	
email	varchar(255)	NO		NULL	
status	varchar(20)	YES		NULL	

2)biogas_producers

Field	Type	Null	Key	Default	Extra
producer_id	int	NO	PRI	NULL	auto_increment
user_id	int	NO	MUL	NULL	
production_capacity	decimal(10,2)	NO		NULL	
status	varchar(20)	NO		NULL	

3)biogasinventory

Field	Type	Null	Key	Default	Extra
biogas_id	int	NO	PRI	NULL	auto_increment
producer_id	int	NO	MUL	NULL	
biogas_type	varchar(100)	NO		NULL	
quantity_produced	decimal(10,2)	NO		NULL	
production_start	datetime	NO		NULL	
production_end	datetime	NO		NULL	
status	varchar(20)	NO		NULL	

4)customers

Result Grid						
		Filter Rows:				
		Export:				
		Wrap Cell Content:				
	Field	Type	Null	Key	Default	Extra
▶	customer_id	int	NO	PRI	NULL	auto_increment
	user_id	int	NO	MUL	NULL	
	contact_info	varchar(255)	NO		NULL	
	address	varchar(255)	NO		NULL	

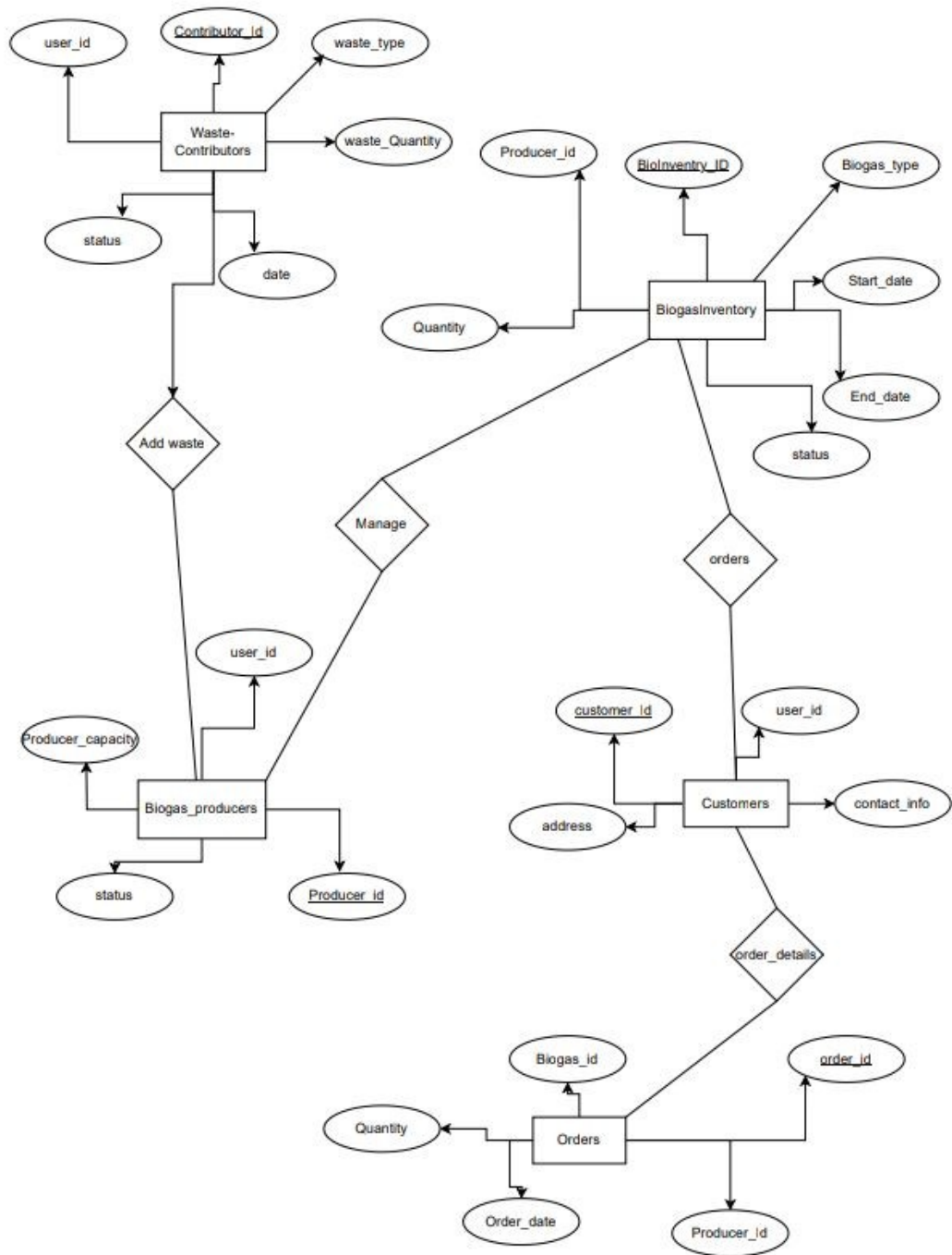
5)orders

Result Grid						
		Filter Rows:				
		Export:				
		Wrap Cell Content:				
	Field	Type	Null	Key	Default	Extra
▶	order_id	int	NO	PRI	NULL	auto_increment
	customer_id	int	NO	MUL	NULL	
	biogas_id	int	NO	MUL	NULL	
	order_date	datetime	NO		NULL	
	quantity	decimal(10,2)	NO		NULL	
	status	varchar(20)	NO		NULL	

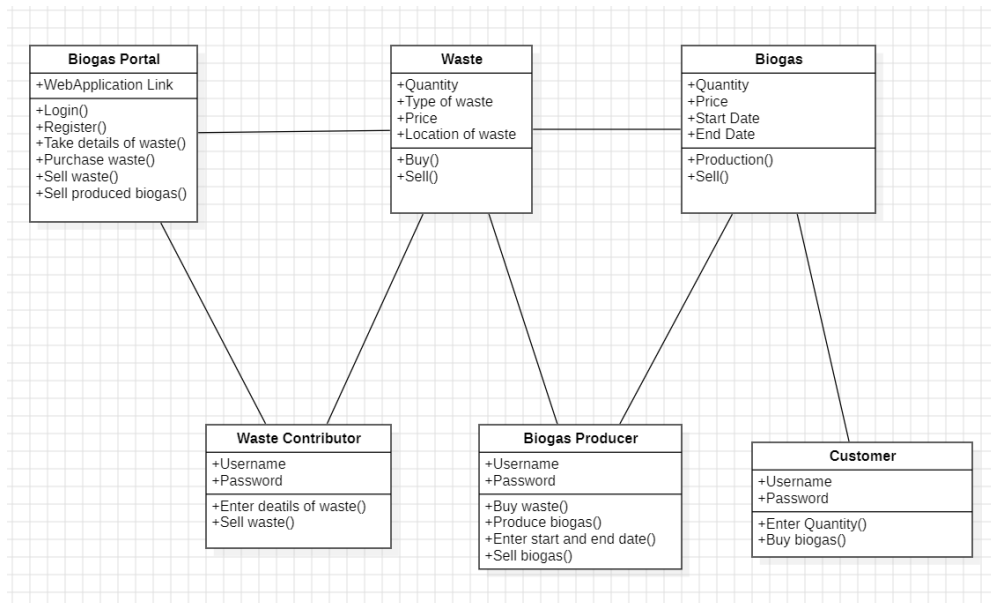
6)wastecontributors

Result Grid						
		Filter Rows:				
		Export:				
		Wrap Cell Content:				
	Field	Type	Null	Key	Default	Extra
▶	contributor_id	int	NO	PRI	NULL	auto_increment
	user_id	int	NO	MUL	NULL	
	waste_type	varchar(100)	NO		NULL	
	waste_quantity	decimal(10,2)	NO		NULL	
	status	varchar(20)	NO		NULL	
	collected_by	int	YES	MUL	NULL	
	collected_date	datetime	YES		NULL	

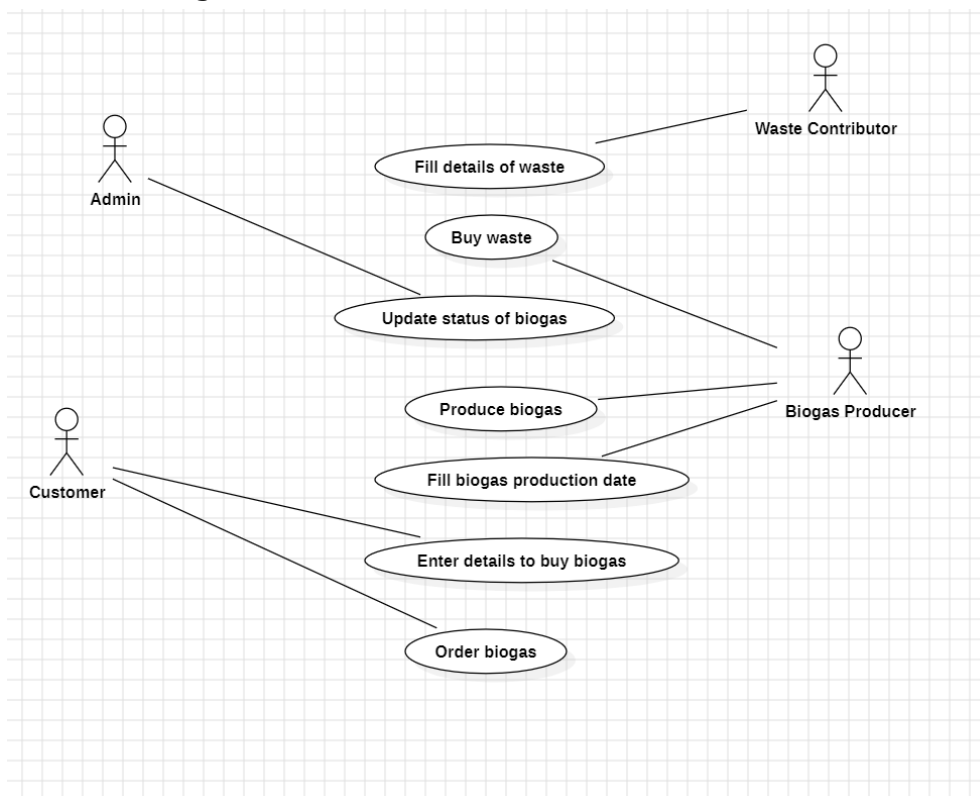
>ER Diagram



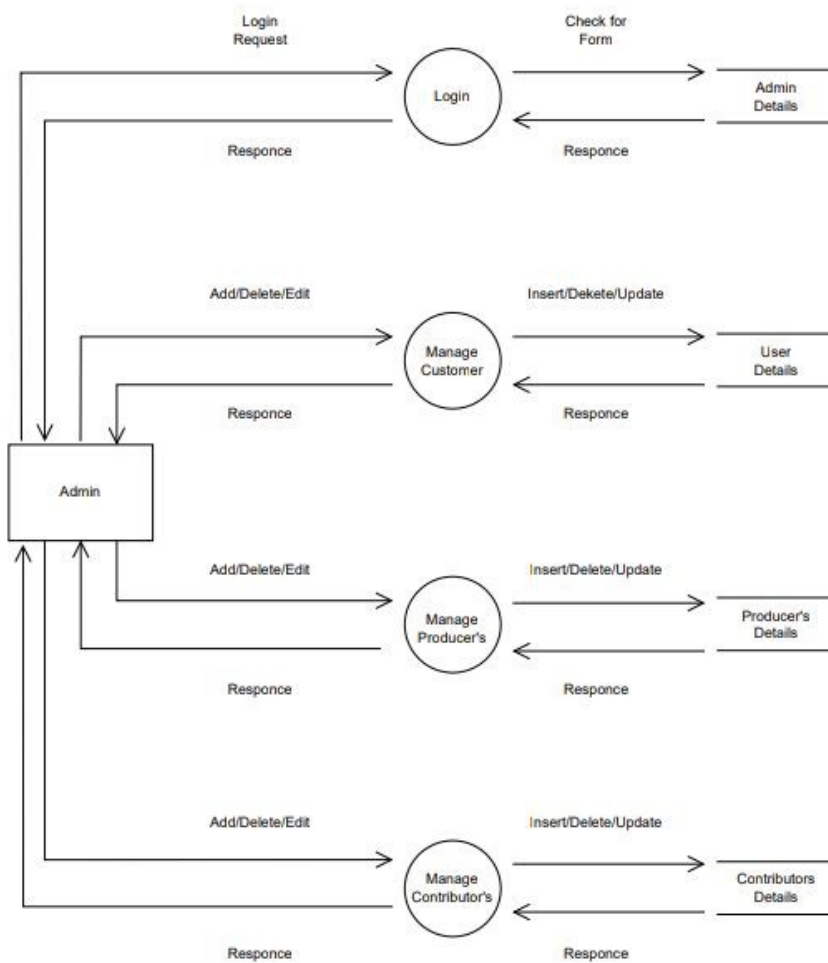
>Class diagram



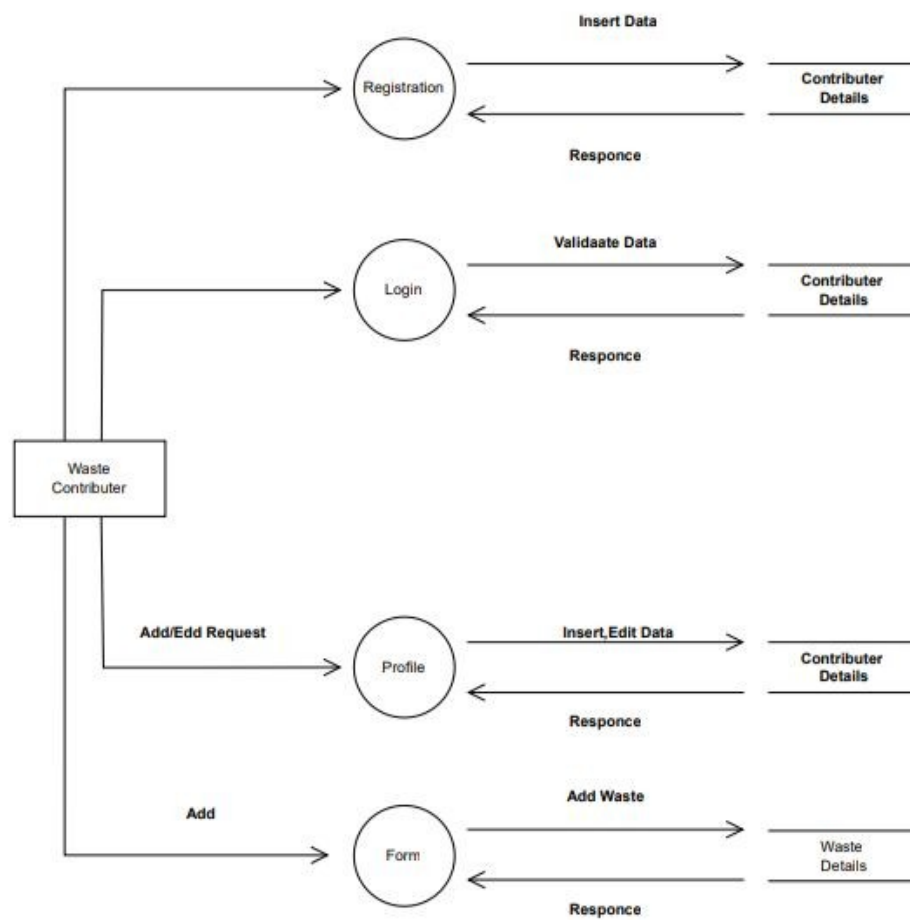
>Use case diagram



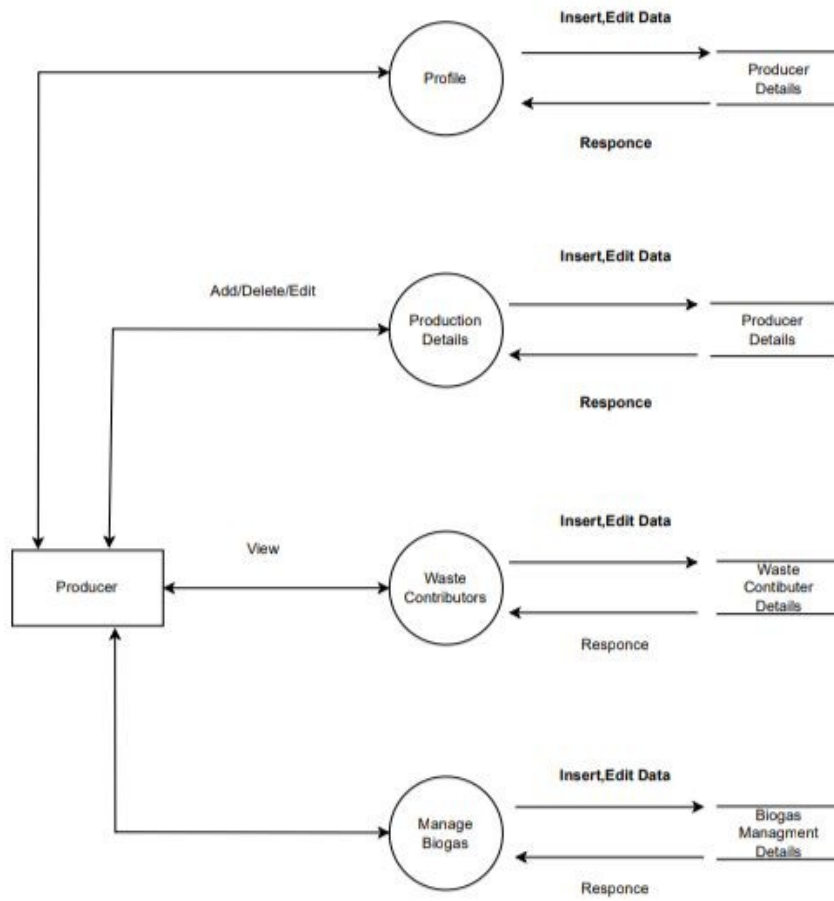
>Data Flow diagram
1.DFD for admin



2.DFD for waste contributor

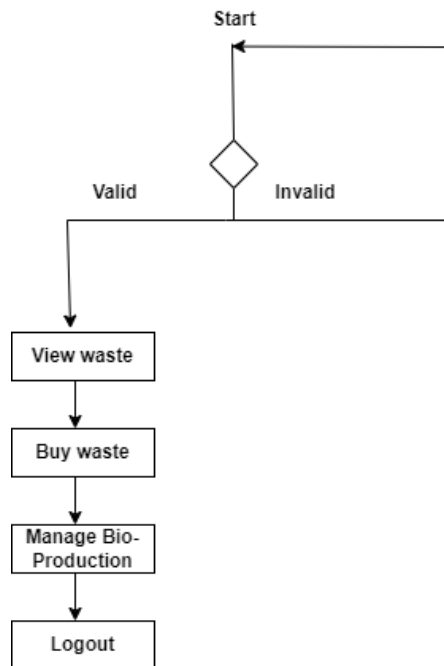


3.DFD for Biogas Producer

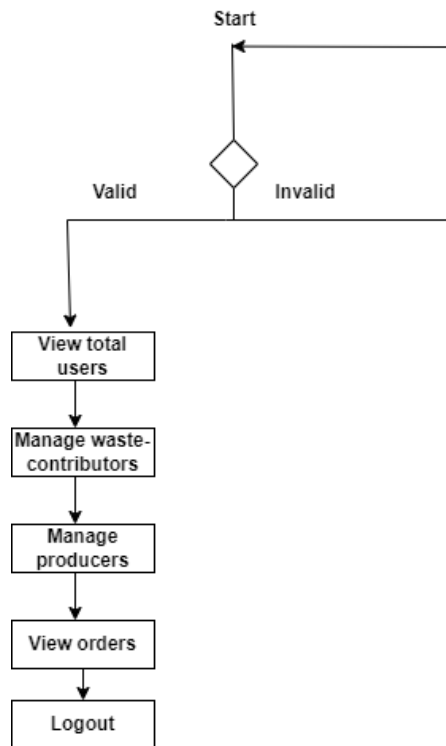


>Activity Diagram

1.Producer Activity Diagram

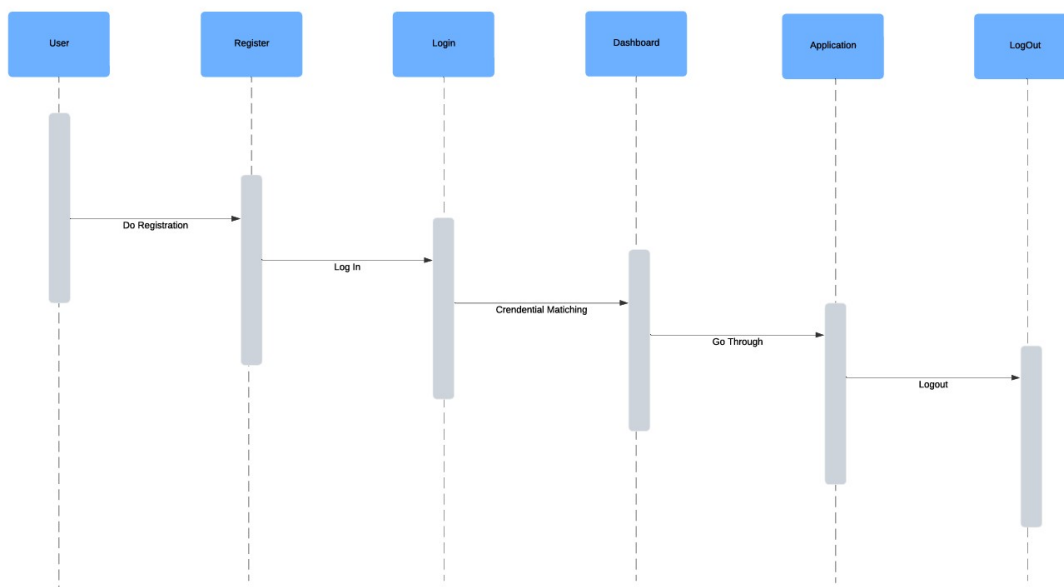


2.Admin Activity Diagram

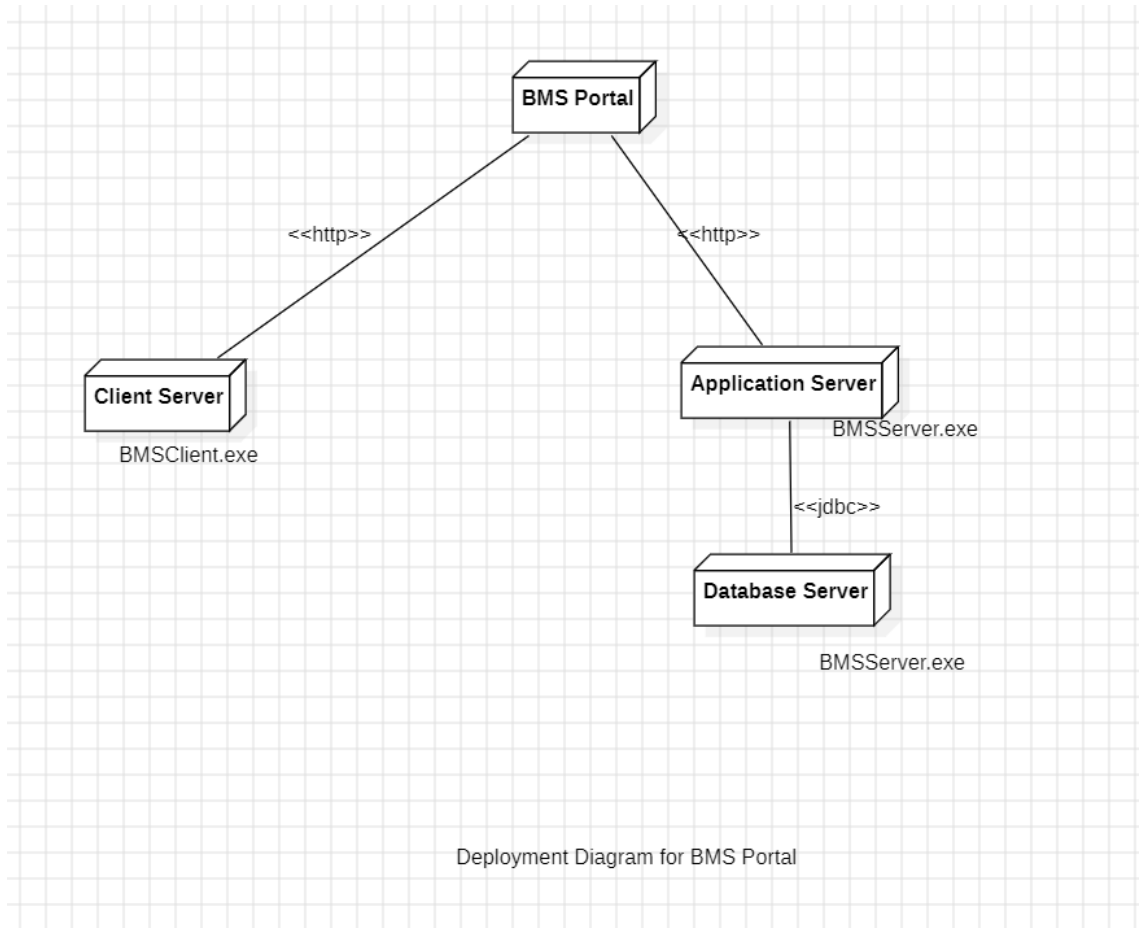


Admin Activity Diagram

>sequence diagram



>Deployment Diagram



>System Architecture

