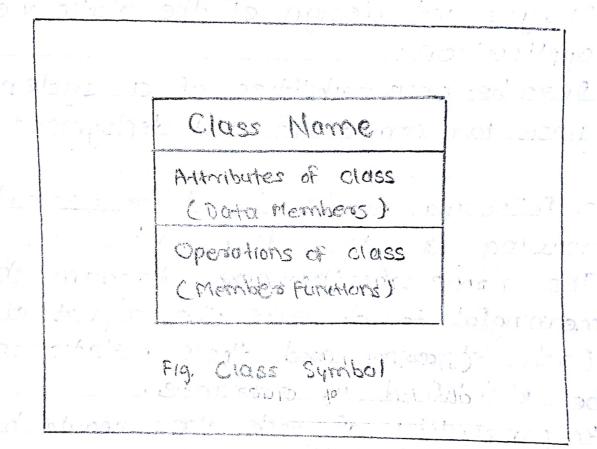
Develop class diagram for selected project Class Diagram . The class diagram is a startic diagram. It represents the static view of an application. A class is a group of objects with similar properties (attributer). common behavious (operations), common relationships to other objects, and common semantics. The springoseanof of class diagram is to depict the classes within a model. In an object oriented application, classes have) enoitions (residuinar vadinam) retudint to member functions) and relationships with other classes. The UTIL class diagram can depict all these things quite easily. The fundamental element of the class diagram is an iron the appresents a class. The class aliagram desmibes the attailantes and operations of a class and also the constraints imposed on the system. The class diagrams are widely used in the modeling of object oriented systems because they are the only ume diagrams which can be mapped directly with object ordented languages.

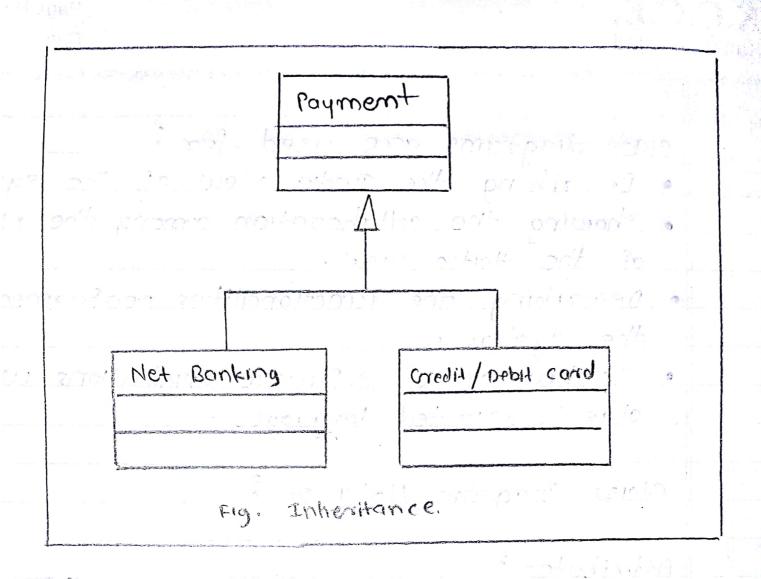
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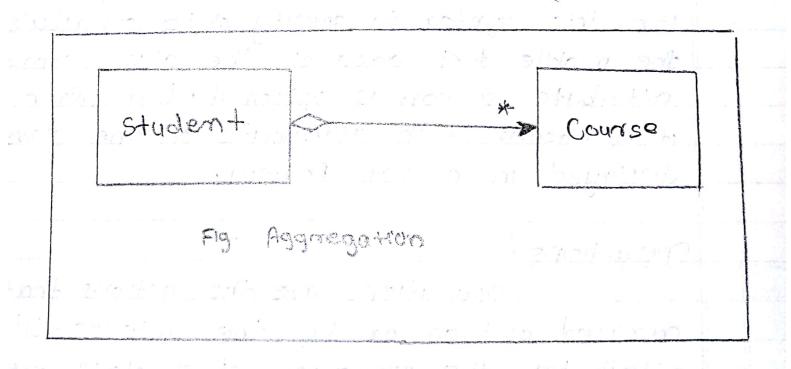
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	The class diagram shows a collection
	of classes, interfaces, associations, collaborations
	and constraints. It is also known as
	Structural diagram.
	so the purpose of the class diagram
	can be summarized as:
	· Analysis and design of the static view of an
	application.
	· Describe responsibilities of a system.
	· Base for component and deployment diagrams.
	The following points should be remembered while
	drawing a class diagram:
	· The name of the class diagram should be
	meaningful to clesinibe the aspect of the system.
	· Each element and their relationships should
	be identified in didirance.
	· Responsibility of each class should be clearly jolentified.
	· for each class minimum number of properties
	Should be specified. Because unnecessary
	properaties will make the diagram complicated.
	· Use notes when ever required to describe
_	some aspect of the diagram, Because at the
_	end of the drawing it should be under standally
	to the developer (coder.
	· Finally, before making the final version, the
	diagram should be drawn on plain paper and
	remark as many times as possible to make
	it coursect.
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class diagrams are used fe	27
· Describing the state view	o of the system.
· Showing the collaboration	among the elements
of the static view.	3
· Describing the functionality	ies periformed by
the system.	
· Construction of software	applications using
object aniented languages.	The Robbins
	The state of the s
Class Diagram Notation:	
Attributes ।। ज्ञानदीपेन भास्वताः	
	an object's characteris
use this syntax to specify o	
the middle text area of the	Continuities and Contin
attribute section is optiona	
it contains each attribute	
displayed in a list format	
Openations .	
	ne actions that can be
carried out on on by the	
attributes, the openations of	to class one
displayed in a list format	, with earl operation
on its own line to specif	fy the visibility of
class members use the follow	ing befor the
member's name:	Mary Mary
public: +	
protected: #	
projuate: -	
I package:	





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Inheritance :	
The state of the s	
the inheritant	re relationships in umu
is depicted by a peculian	fulangular acrowhead.
amour head that do	oks nather like a slice
of pizza, points to the	base class. One or
more lines proceed from	the base of the armou
head connecting it to th	ne derived classes.
Following Figure shows the	form of the inheritance
relationship. In this diago	
Next banking and credit	
deave from payment.	
0	-dat: II
Agamegation Association	000
	gates another of its
Objects contain objects of	The control of the co
open diamont. This relation	
the other class is in som	Works and a second of
"pard" of that whale	ELOTIONSON DE ZOLMON
"pard" of that whole. The following figure show	
arelationship. In this case	an aggregation
cantaine man conse	e the stoolent clas
the ends of countries this	The same of the
the ends of relationship o	us uttenued to as its
roles". Motice that the	role of the Course and
of the aggregation is more	Ked with a " * ". This
indicates that student con	tains many course.
instance.	
Conclusion : Thus, we ha	ave studied and
develop an c	lass diagnam for
selected pro	ject.