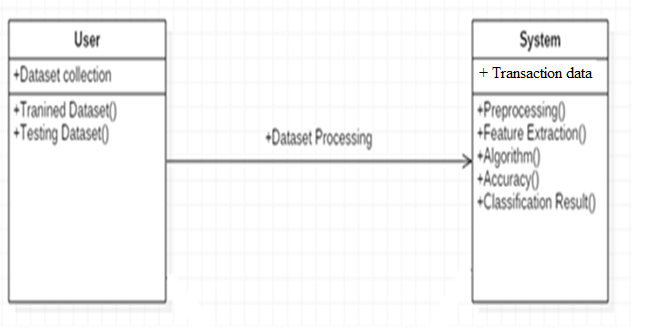
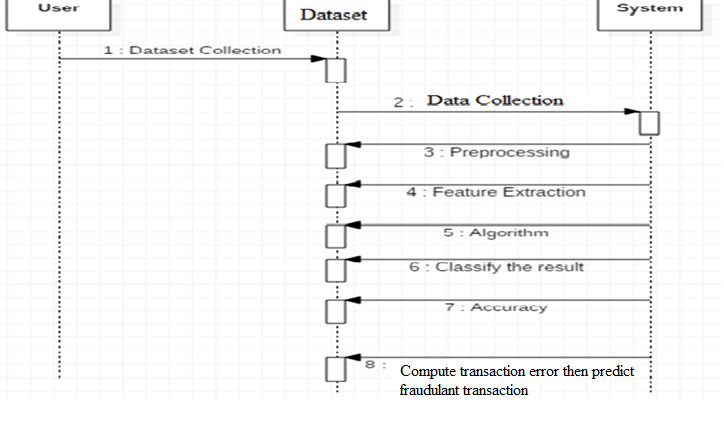
Uml diagrams:-

 Class diagram:



Sequence diagram:-



Activity diagram:-

