use case diagram

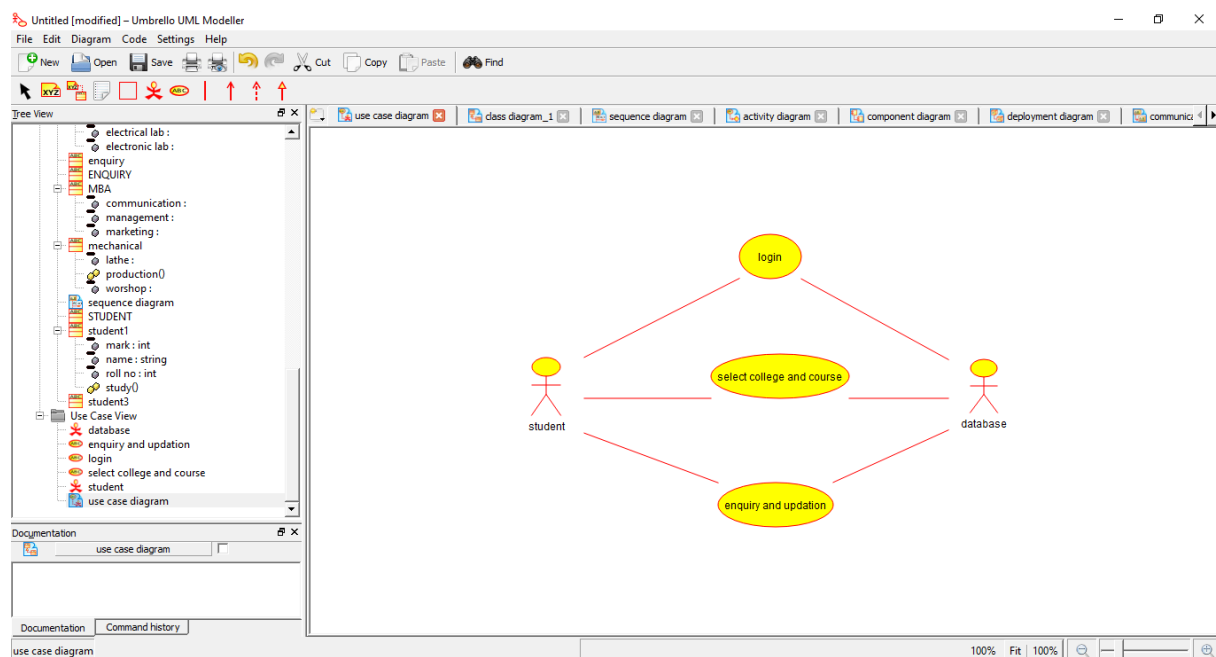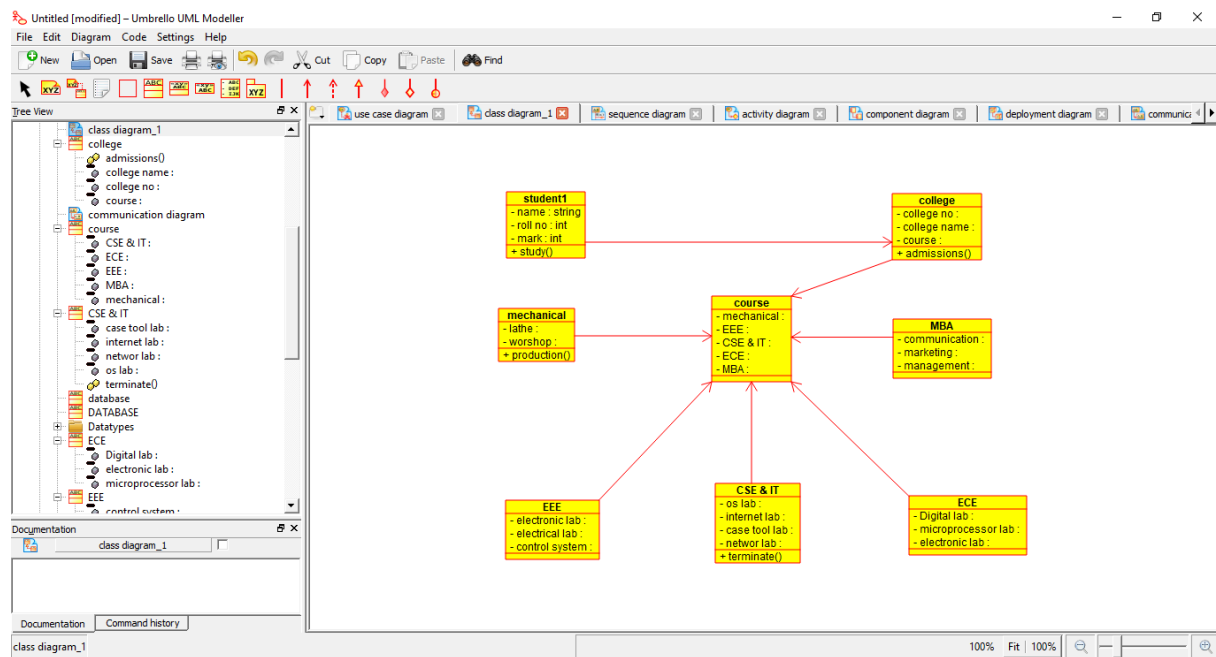# class diagram

component diagram