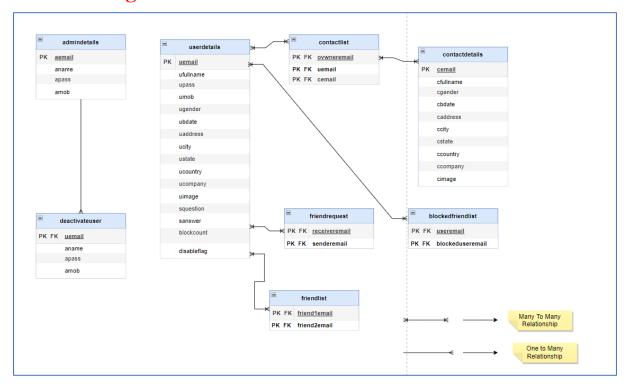
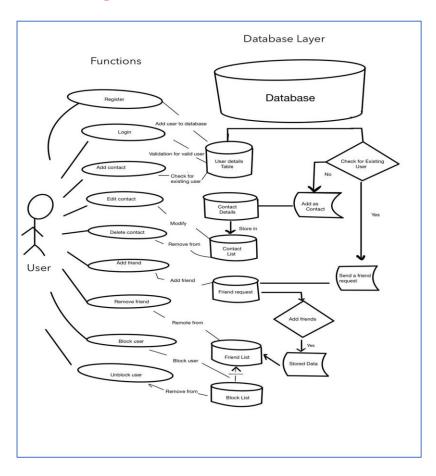
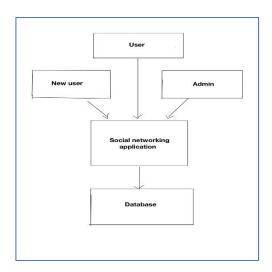
## 1. ER Diagram



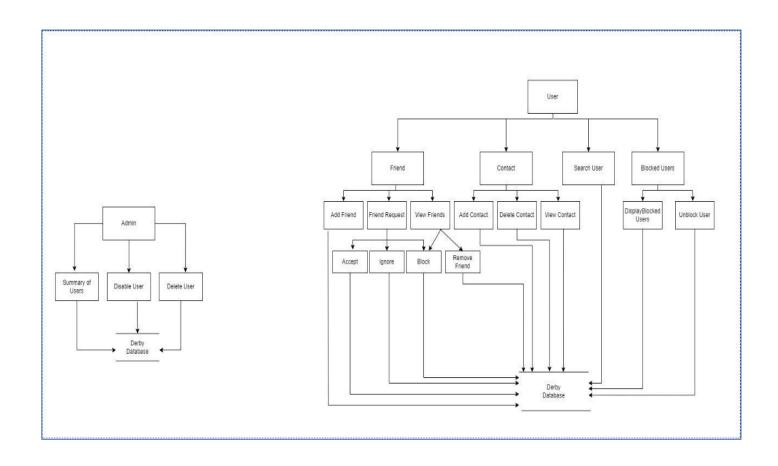
# 2. Use Case Diagram



### 3. DFD Level 0



## 4. DED Level 1



#### 5. Class Diagram

