Design:

High level design:

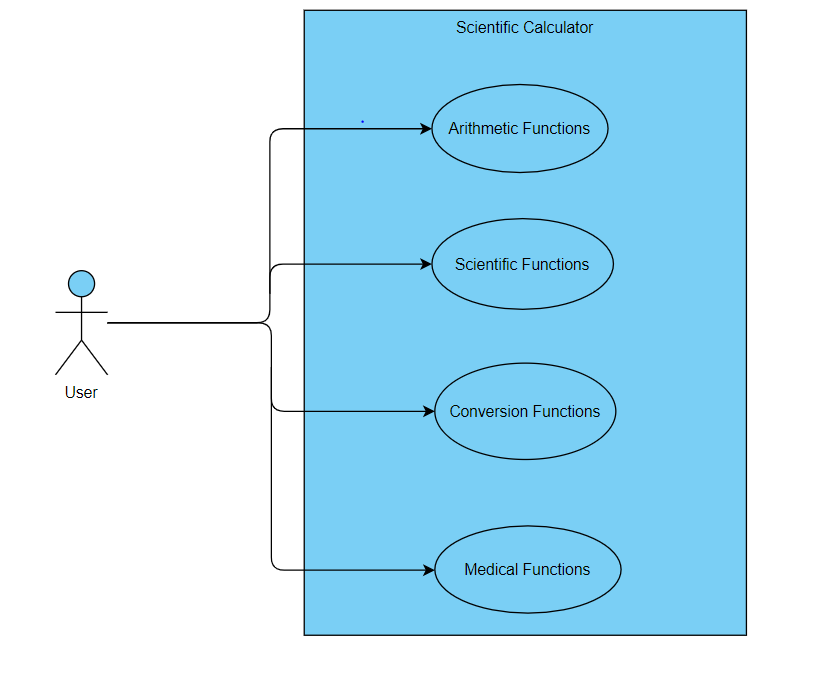


Fig : Behavioural - Use case diagram

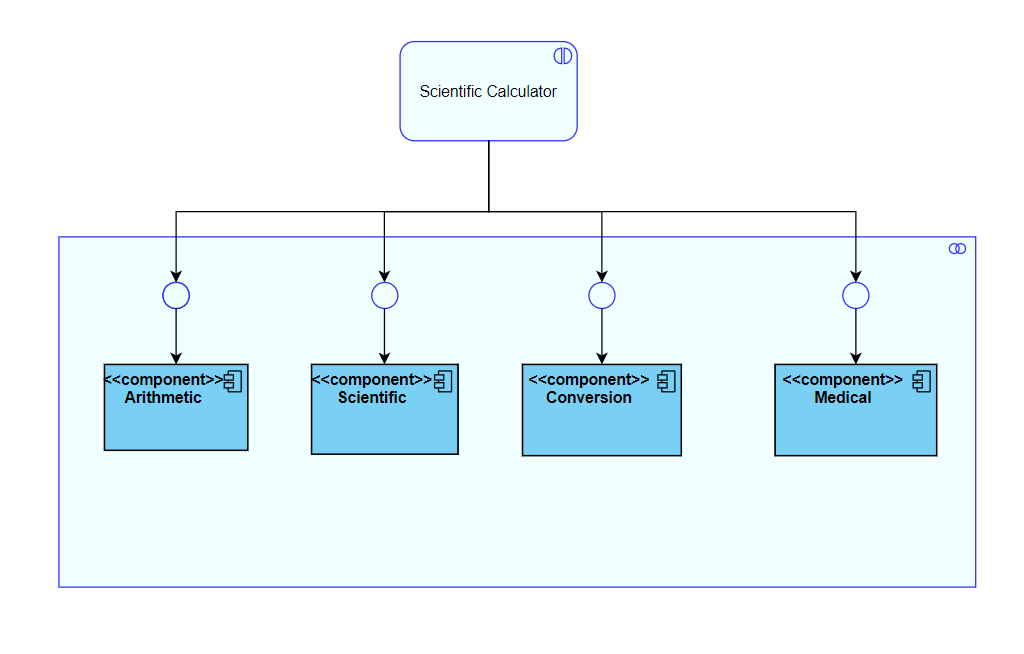


Fig :Structural - Component diagram

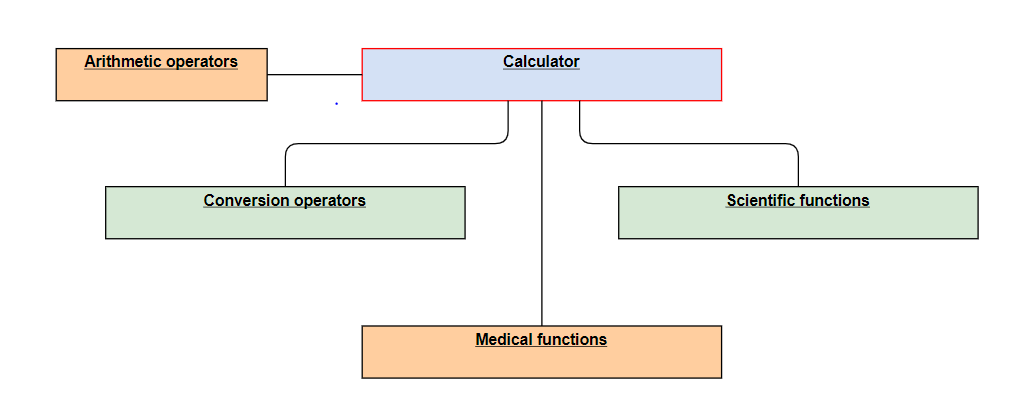


Fig : Structural - Deployment diagram

Low Level Design:

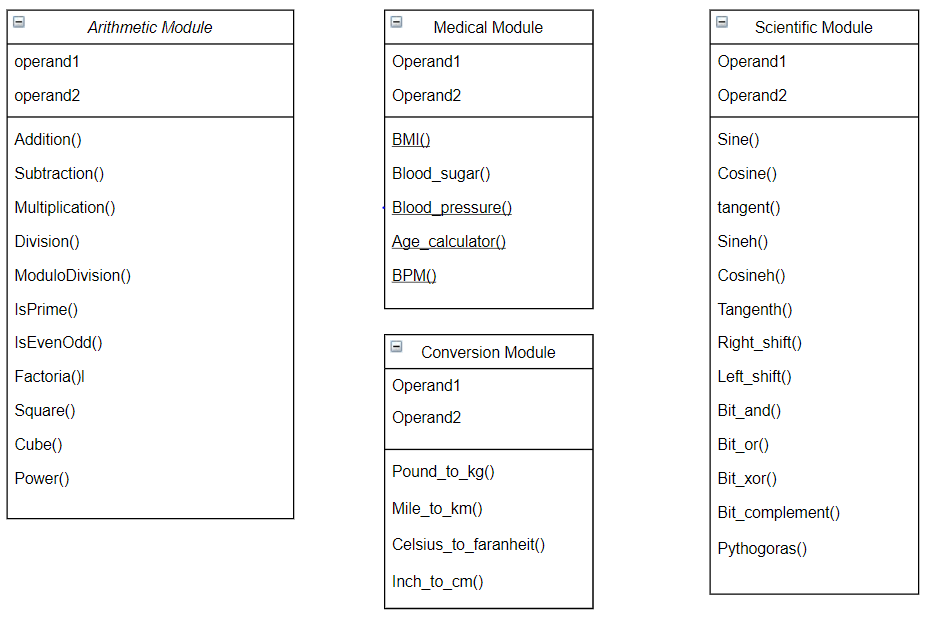


Fig : Structural - Class diagram

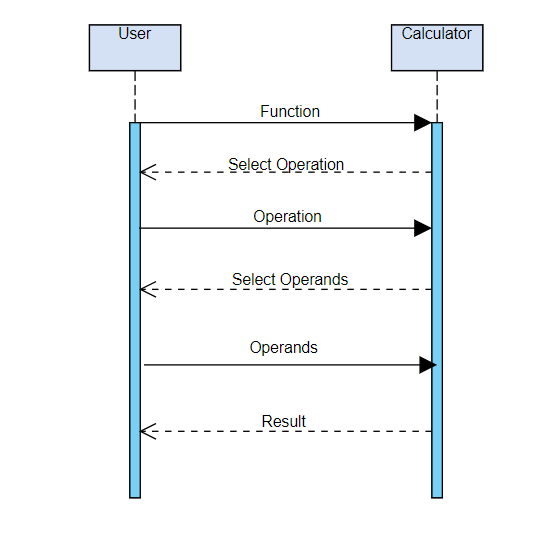


Fig : Behavioural - Sequence diagram

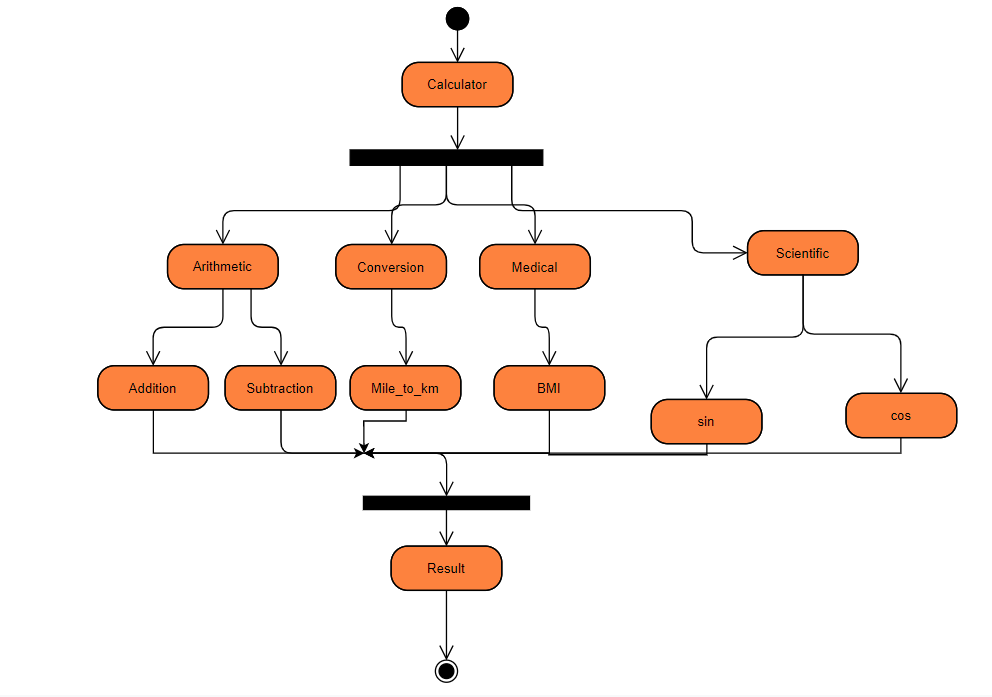


Fig : Behavioural - Activity diagram