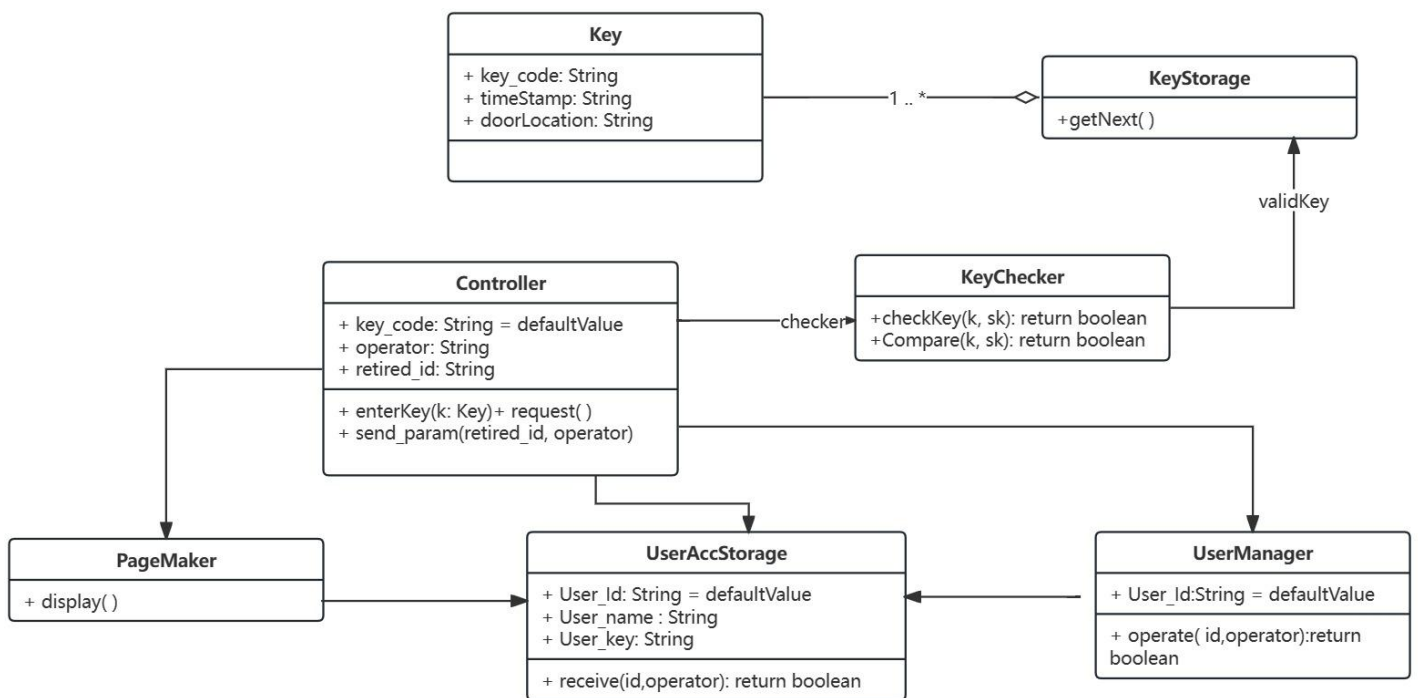Design Sequence Diagram

Class Diagram