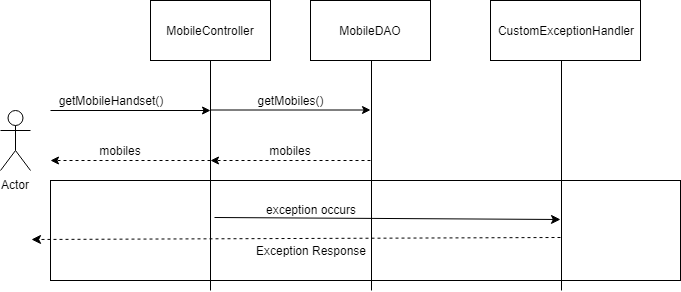
**Mobile – Search Service**

**Application architecture**

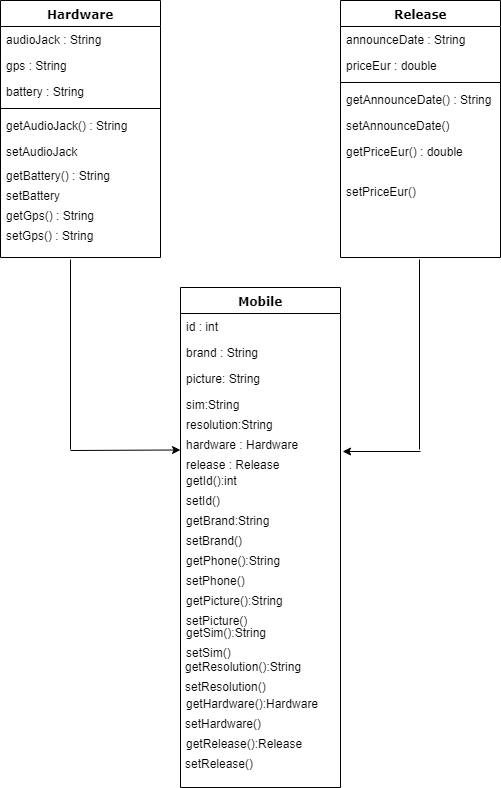


The functional pillar of this service architecture encloses MobileController, MobileDAO and CustomExceptionHandler.

When the client triggers a request action, the MobileController will act as a directional traffic system with the aid of getMobileHandset() method. This method in turn points towards MobileDAO with the functioning of getMobiles() method as per the redirection trafficking design. This completes the mid way of the service architecture, yielding the required data (list of mobiles in this case) to the client as a response completing the entire service cycle.

When the service does not fit into compliance, the CustomExceptionHandler comes into play. The epicenter of exceptions is the MobileController. These exceptions are well received and processed by the CustomExceptionHandler. It is further incorporated as an exception response and passed to the user end.

**Class Diagram**



The functional breakdown design is a triplet class structure consisting of Hardware, Release and Mobile classes.

The mobile class holds the objects which open the gateway to access the components of Hardware and Release classes enabling the application to involve multi fascinated data combinations. Aftermath of the process enables the Mobile class to derive a multi dimensional data, with the various combinations of data retrieved from Hardware and Release classes respectively showcasing the complete details of the Mobile to the end user.