**System Model Design Overview**

**1. Hardware Components**

* **Heartbeat Monitor**: This features an optical sensor that specifically tracks the user's heart rate.
* **Oxygen Level Monitor**: This comes equipped with a mechanism that keeps an eye on the blood's oxygen saturation levels.
* **Bluetooth Connector**: Acts as the bridge for communication between the device and smartphones or other related gadgets.
* **Energy Source**: A dependable battery ensures the device runs smoothly throughout.

**2. Software Elements**

* **Health App**: Tailored for users, this app is for heart and oxygen metrics and offers insights into health trends over time.
* **User Profile System**: Users can set up personalized profiles, making it easy to keep track of their health history and preferences.
* **Cloud Data Manager**: This system not only safeguards users' health data on the cloud but also allows for instant data sharing across devices.
* **Reminder System**: Users can receive alerts, helping towards workout, staying hydrated, or just taking a breather.

**3. User Interaction**

* **App Layout**: The design is sleek and intuitive, making it easy for users to keep tabs on their heart and oxygen readings, also by graphical health insights.
* **User Alerts**: Whether it's a vibration or a beep, users are always in the know about their current health metrics.
* **Flexible App Design**: It's crafted to be compatible across popular operating systems, mainly iOS and Android, and caters to a variety of smartphone brands.

**Environment Overview**

**Actual Environment**: Users can rely on Wi-Fi or cellular connections to beam data in real time, whether they're at their local gym or taking a jog outside.

**Tech Environment**:

* **Operating System**: Compatible with both Android and iOS.
* **Programming Tools**: We lean towards Kotlin for Android development, and for iOS, it's a toss-up between Objective-C or Swift.