**MOSCOW Analysis for Wristband Air Quality Monitor for Asthma Patients**

**Must Have:**

1. Real-time air quality monitoring using PMS7003 and BME680 sensors.
2. Alerts on the wristband through vibration, sound, and colored lights indicating air quality levels.
3. Connectivity with a mobile application to relay data.
4. Mobile phone notifications in case of hazardous air quality detections.
5. Data storage capability on the mobile application to keep records of air quality measurements, timestamps for at least the previous 48 hours.
6. Battery status indicator on the mobile app.
7. Wristband should be lightweight, comfortable, and suitable for daily wear.
8. The wristband should last at least 48 hours on a full charge.
9. Device should relay data with a delay of no more than 5 seconds.
10. Clear alerts for dangerous air quality.

**Should Have:**

1. GPS integration for real-time location tracking and recording.
2. A timestamp of air quality measurements with the location.
3. A user-friendly mobile app interface.
4. An aesthetically pleasing design for the wristband.
5. The mobile app should display current battery level.
6. Mobile app notification for low battery.
7. Ability to review air quality data over time.
8. Mobile app compatibility with major mobile OS.

**Could Have:**

1. Monthly air quality reports.
2. Recommendations for areas with better air quality.
3. Integration with other health applications.
4. Community sharing features.
5. Reminders or alerts for medication or inhaler usage based on air quality data.
6. Tips or suggestions for managing asthma based on the collected data.

**Would Like to Have (But Not Necessary):**

1. Integration of the app with calendar or daily planner applications.
2. Tutorials or user guides for the wristband and mobile application.
3. Enhanced features for future versions without a complete overhaul.
4. Advanced user customization features in the mobile application.