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| **Risk** | **Severity** | **Frequency** | **Mitigation Plan** |
| **1. Data Privacy and Security** | 9 | 5 | Use strong passwords and secure networks. |
| **2. Accuracy of Fall Detection** | 8 | 8 | Test often, adjust the system regularly. |
| **3. Hardware Failure** | 6 | 6 | Check devices frequently for any issues. |
| **4. Latency in Real-Time Processing** | 9 | 3 | Make sure the system runs efficiently. |
| **5. Usability for Elderly Individuals** | 5 | 7 | Keep the design simple and user-friendly. |
| **6. Limited Scalability** | 7 | 5 | Use flexible software that can adapt. |
| **7. Sensor Calibration Issues** | 8 | 4 | Set reminders to recalibrate regularly. |
| **8. Legal Liability** | 9 | 3 | Include clear terms and easy-to-read warnings. |
| **9. High Cost of Implementation** | 6 | 6 | Start with basic options and expand later. |
| **10. Environmental Constraints** | 7 | 4 | Test in different spaces to ensure it works. |