Feature Specification Document

# Feature: Sleep Tracking Enhancement

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## Description:

- Improve the accuracy of sleep tracking by integrating new sensor data.  
- Develop a new algorithm to detect different sleep stages.

## Requirements:

- Utilize accelerometer and heart rate sensor data.  
- Implement machine learning model for sleep stage detection.  
- Provide detailed sleep reports in the Samsung Health app.

## Timeline:

Design: 2 weeks  
Development: 4 weeks  
Testing: 2 weeks