**PROJECT NAME: VitalBand**

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| REQ. # | FUNCTIONAL REQUIREMENTS |
| 1. | VitalBand regularly checks health data through sensors and must share the data with the healthcare institution. |
| 2. | The system must send water drinking reminders to the user at user-specified intervals. |
| 3. | VitalBand with regular data tracking must enable early detection of certain diseases. |
| 4. | VitalBand must determine the user's sleep patterns, optimal sleep hours and provide suggestions to improve sleep quality. |
| 5. | The system must send notifications to the caregiver of sudden changes in movement of the patient. |
| 6. | VitalBand should regularly measure essential body values ​​such as pulse, blood pressure, body temperature, present the measured values ​​to the user and monitor long-term tendencies. |
| 7. | The system must alert the application member when the VitalBand user leaves the area specified by the application member. |
| 8. | The caregiver should be able to view the patient's real-time body metrics through the app. |
| 9. | The system must remind users about medication times to ensure they take their medication regularly. |
| REQ. # | **NON-FUNCTIONAL REQUIREMENTS** |
| 1. | The system must operate on different mobile platforms (iOS, Android) and designed to be compatible with different device ecosystems. |
| 2. | The system must provide as low latency and high response speed as possible to ensure that the application runs quickly and reliably. |
| 3. | The system must be able to process large amounts of data efficiently. |
| 4. | The system must provide a secure data protocol to ensure the privacy of VitalBand user's data and ensure information protection using encryption during the data transfer. |
| 5. | The system should have a user-friendly interface design to help users from all range to use the application easily. |
| 6. | The system must create backup and recovery mechanisms in case of possible data loss. |
| 7. | The system must be able to easily integrate with other healthcare devices or software. |
| 8. | The application must get feedbacks from the users in order to continuously improve the interface. |