Scope Statement (Version xx)

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| **Project Title:** BiteBlend  **Date:** March 15, 2024 **Prepared by:** Sindhura Padhuri |
| **Project Justification:**  The development of the personalized meal recommendation mobile application(BiteBlend) aims to revolutionize the dining experience by offering users tailored meal suggestions based on their preferences, current mood, past orders, and situational contexts like weather and time of day. This project leverages advanced machine learning algorithms to ensure recommendations are both personalized and contextually relevant, enhancing user satisfaction and engagement. |
| **Product Characteristics and Requirements:**   1. Intuitive design for mood-based selection. 2. ML-driven mood analysis algorithm. 3. Integration with existing restaurants and cloud kitchens. 4. Secure user data handling and privacy measures. 5. Cross-platform compatibility for wider accessibility. 6. Contextual adaptation based on factors like demand, weather, and user history. |
| **Summary of Project Deliverables**  **Project management-related deliverables:** Requirements specification document, requirements traceability matrix, scope statement, comprehensive WBS, detailed project schedule (Gantt Chart), regular status reports, comprehensive testing report, final presentation, RBS, COS, RACI, priority matrix, and final project document.  **Product-related deliverables:**   1. User research report 2. Mood-analysis algorithm documentation 3. Mobile application. 4. Design prototypes 5. User manual 6. Training materials 7. Feedback documentation |
| **Project Success Criteria:**   * Achieves interaction from 50% of customers at least twice a month within three months post-launch. * Integrate a minimum of 10 restaurants using the app for promotion within six months post-launch. * Secure 25,000 active users within three months post-launch. * Achieve an average of 10,000 daily orders within three months post-launch. * Achieve an NPS score of 20 or higher within the first year of launch. * Roll out at least one major update based on user feedback within six months. * The application must load within two seconds while handling 1,000 concurrent users without significant degradation in performance. |