User Requirements - BMI Feature

1. Registration and Login

Requirement: Users should be able to register for an account and log in.

Rationale: Registration and login functionality will allow users to access and utilize the BMI feature, ensuring personalized tracking.

2. BMI Calculation

Requirement: Users should have the ability to calculate their BMI based on their height and weight inputs.

Rationale: The BMI calculation feature will provide users with an immediate assessment of their body composition.

3. BMI Tracking

Requirement: Users should be able to track their BMI over time.

Rationale: Tracking functionality enables users to monitor their health progress and make informed decisions.

4. User Profile Integration

Requirement: The BMI feature should integrate with the user profile module.

Rationale: Integration with user profiles ensures accurate BMI calculations based on up-to-date height and weight values.

5. Health Recommendations

Requirement: The BMI feature should provide general health recommendations based on the calculated BMI value.

Rationale: Health recommendations support users in making lifestyle choices conducive to maintaining a balanced and healthy life.

6. Security and Privacy

Requirement: The BMI feature should prioritize the security and privacy of user data.

Rationale: Ensuring the confidentiality and integrity of BMI calculations and related information is crucial for user trust.

7. Deployment and Accessibility

Requirement: The BMI feature should be deployable on a cloud platform for scalability and availability.

Rationale: Cloud deployment ensures accessibility and responsiveness, even during periods of increased user traffic.

8. Limitations Awareness

Requirement: Users should be informed about the limitations of BMI as an indicator.

Rationale: Providing awareness about BMI limitations helps users interpret results more accurately and seek additional health advice when needed.

9. User Reporting Accuracy

Requirement: Users should be encouraged to provide accurate height and weight measurements for reliable BMI calculations.

Rationale: The accuracy of BMI calculations relies on precise user-reported data.