Functional Requirement

NO	Requirement	Detailed Requirement	Services used	Detailed Explanation
1	User Registration	User should be able to sign up using Auth so user can create an account.	User Service	User Details are entered to the form in Angular and they are registered to the Database
2	User Login	User should be able to log in using Auth so user can access their account.	User Service	User can be logged in using the details form user service and get Authenticated.
3	View Dashboard	User should be able to view their dashboard so user can navigate through the Website.	User Service	check whether the user is authenticated or not. If its Show the Dashboard.
4	Calculate BMI	User should be able to Calculate their BMI on the home page as well as the Service	User Service	Take the info using angular form and calculate BMI and Display them.
5	Suggest Exercises	User should be able to get exercise suggestions based on their BMI so user can follow a suitable fitness routine.	User Service & Fitness Service	Using Gemini API we can display 3 suggested exercises for the user.
6	Log Physical Activity	User should be able to log their physical activities so user can keep track of their exercise routines.	User Service & Fitness Service	check whether the user is authenticated or not if yes then call the database of userfitness in a table manner
7	Update Physical Score	User's physical fitness score should be updated when they log an exercise so the overall wellness score is accurate.	User Service & Fitness Service	check whether the user is authenticated or not if yes , then check whether the user has entered the current day statitics then call the Registry Service
8	View Exercise Quotes	User should be able to see motivational quotes related to physical fitness so user can stay motivated.	Fitness Service	Using Gemini API we can display a Qoutes exercises for the user.
9	Suggest Diet Plans	User should be able to get diet suggestions based on their BMI so user can follow a suitable diet plan.	Diet Service	Using Gemini API we can display diet according to the BMI.
10	Log Diet	User should be able to log their diet so user can keep track of their food intake and adherence to diet plans.	User Service & Diet Service	check whether the user is authenticated or not if yes then call the database of userDiet in a table manner

11	Update Diet Score	User's diet score should be updated when they log their diet so the overall wellness score is accurate.	User Service & Diet Service	check whether the user is authenticated or not if yes , then check whether the user has entered the current day statitics then call the Registry Service
12	View Diet Quotes	User should be able to see motivational quotes related to diet so user can stay motivated to follow their diet plan.	Diet Service	Using Gemini API we can display a Qoutes about Healthy life for the user.
13	Mental Health Journal Entry	User should be able to fill out a Journal Option so user can assess their mental well-being.	User Service	check whether the user is authenticated or not if yes , then using a form to get the Journal from the user.
14	Update Mental Health Score	User's mental health score should be based on the Journal Entry	User Service	using Gemini API we will analyze the Journal and we will get a score
15	View Mental Health Quotes	User should be able to see motivational quotes related to mental health so user can stay motivated and positive.	User Service	Using Gemini API we can display a Qoutes about Healthy life for the user.
16	Suggested Activities	User with moderate mental health responses should be able to see suggested activities so user can improve their mental well-being.	User Service	Using Gemini API we can display a activity to do for the user.
17	Update Overall Score	User's overall score should be updated based on their physical activity, diet, and mental health scores so the overall wellness score is accurate.	User Service Fitness Service Diet Service	check whether the user is authenticated or not if yes , make sure all the values such as BMI, Diet,Mental,fitness scores are available if yes calculate the Overall Score and then Display the score