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(54) **CUSTOMIZING NUTRITIONAL SUPPLEMENT RECOMMENDATIONS**

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(57)

ABSTRACT

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A method for customizing nutritional supplement recommendations may include receiving a primary nutritional supplement motivation indication of a user, receiving physical movement data of the user from one or more electronic sensors configured to directly measure physical movement of the user, analyzing the physical movement data, determining one or more physical movement parameters based on the analysis of the physical movement data, generating a custom nutritional supplement recommendation for the user based on the received primary nutritional supplement motivation indication and the determined one or more physical movement parameters.

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Related U.S. Application Data

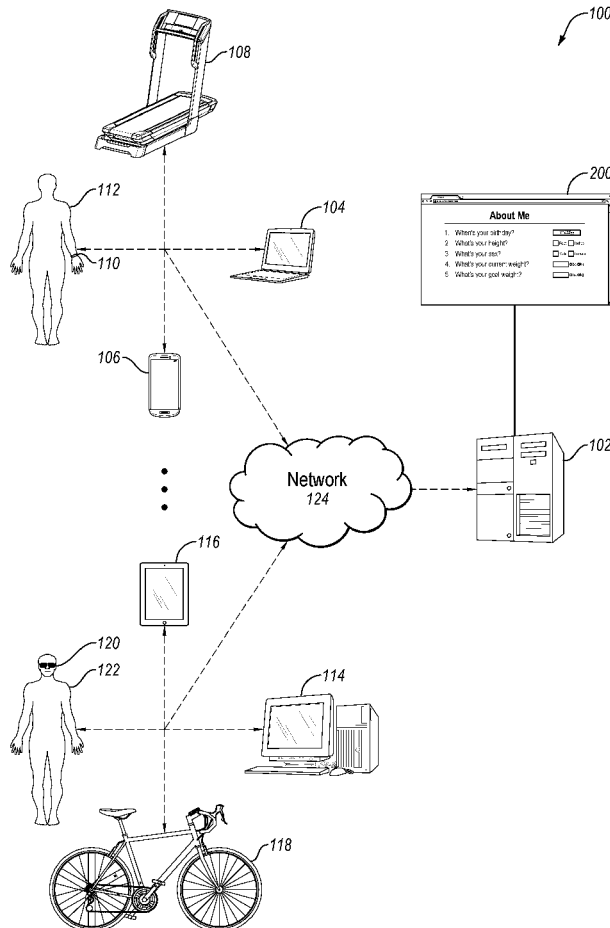
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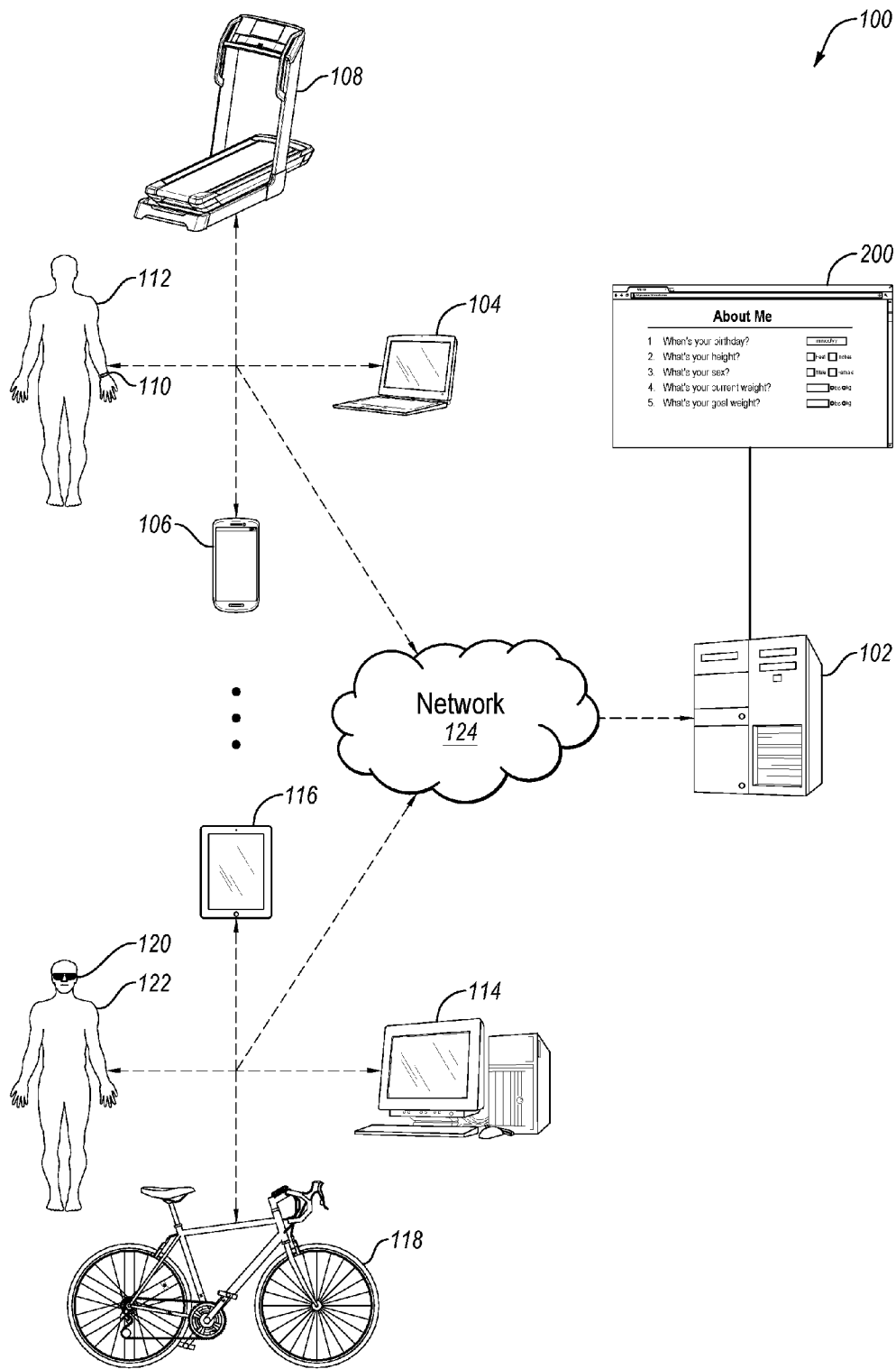


FIG. 1

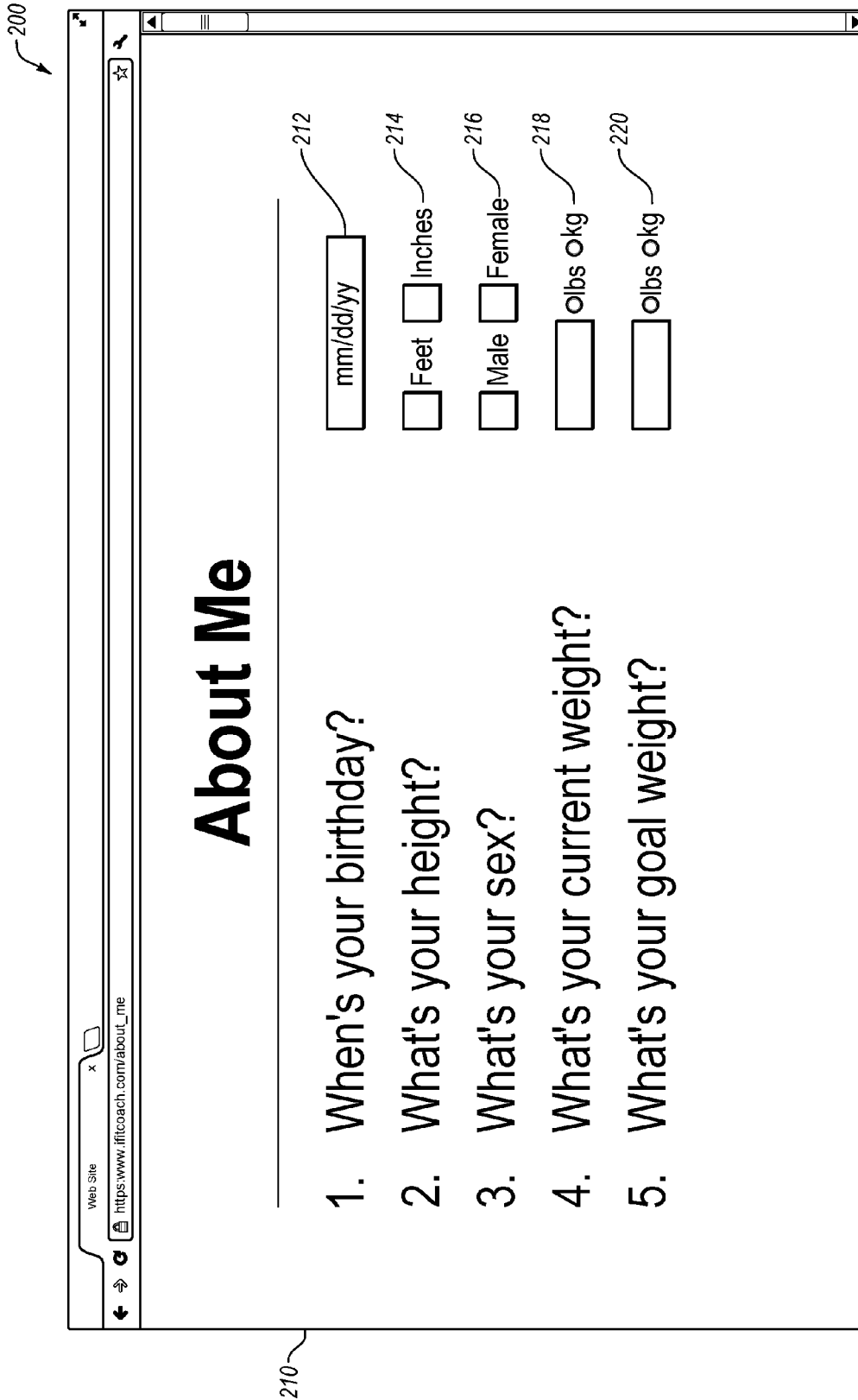


FIG. 2A

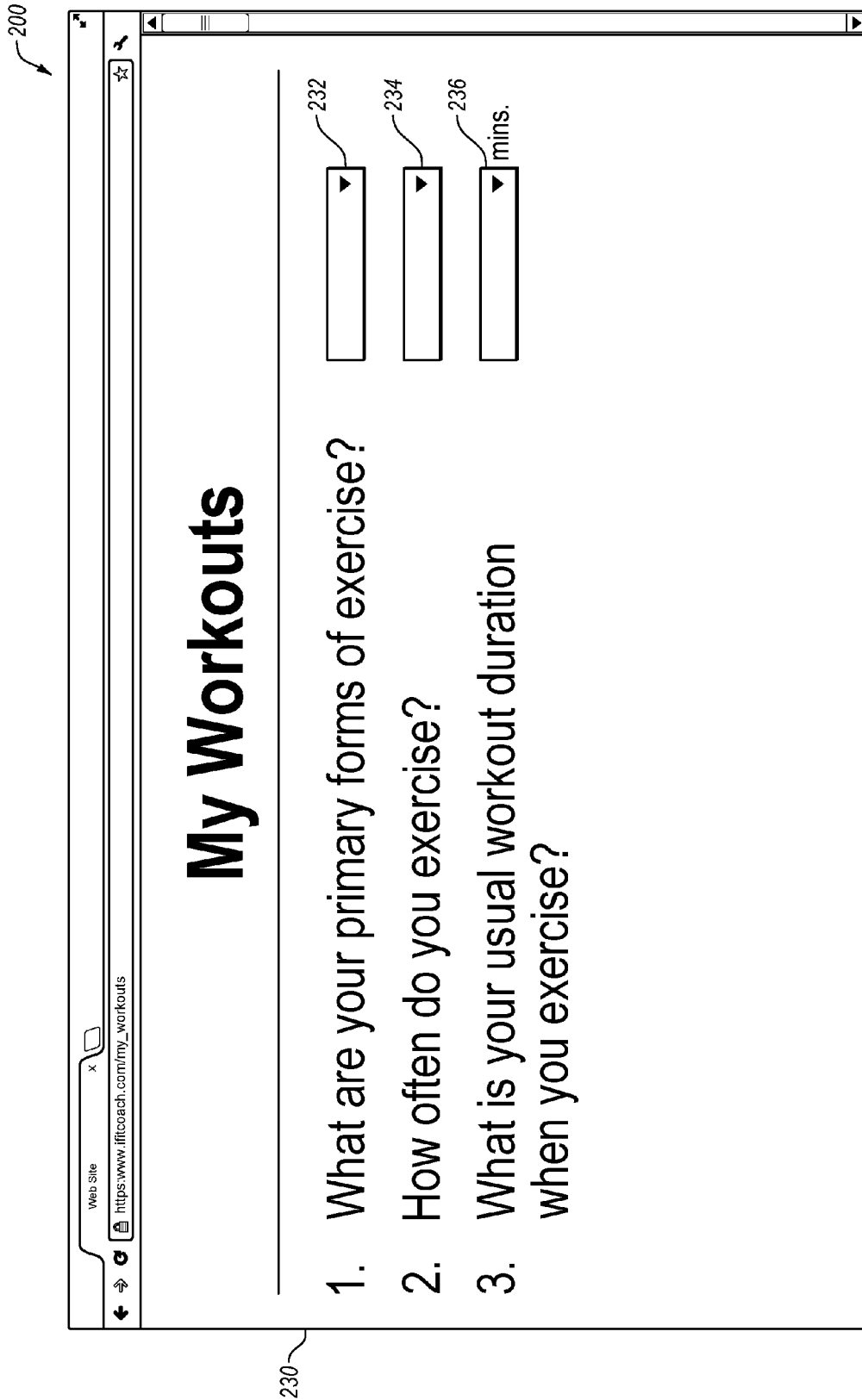


FIG. 2B

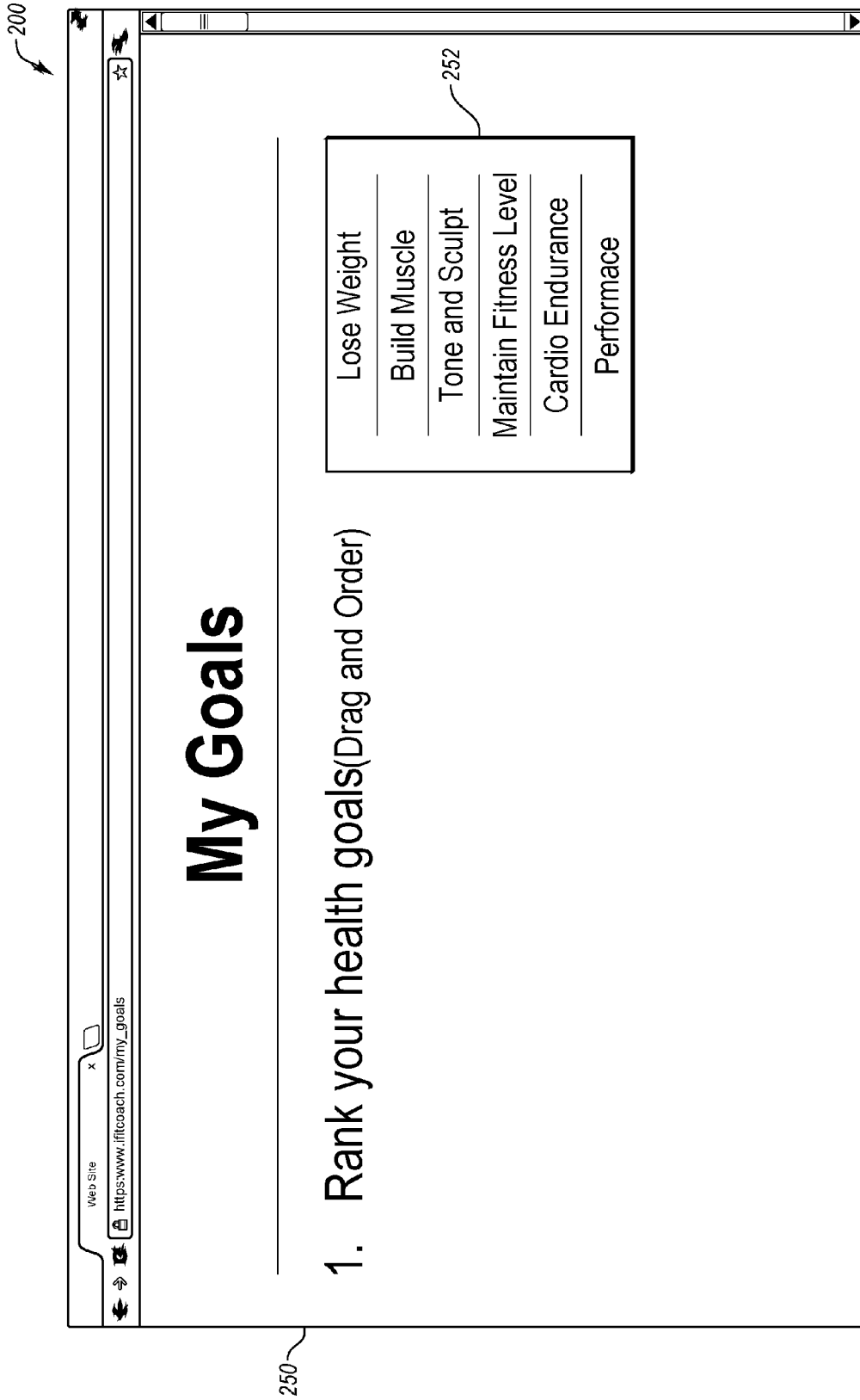


FIG. 2C

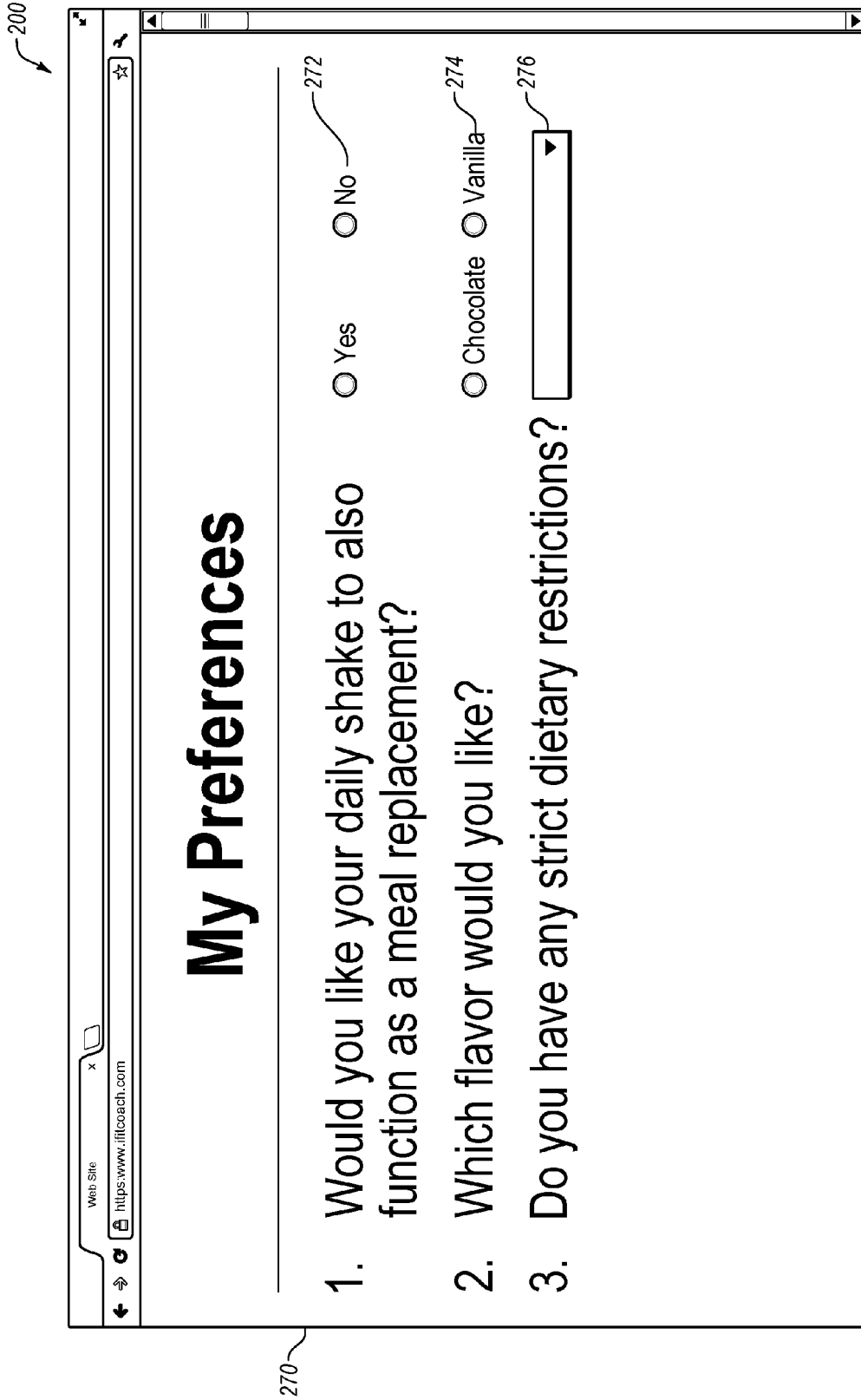


FIG. 2D

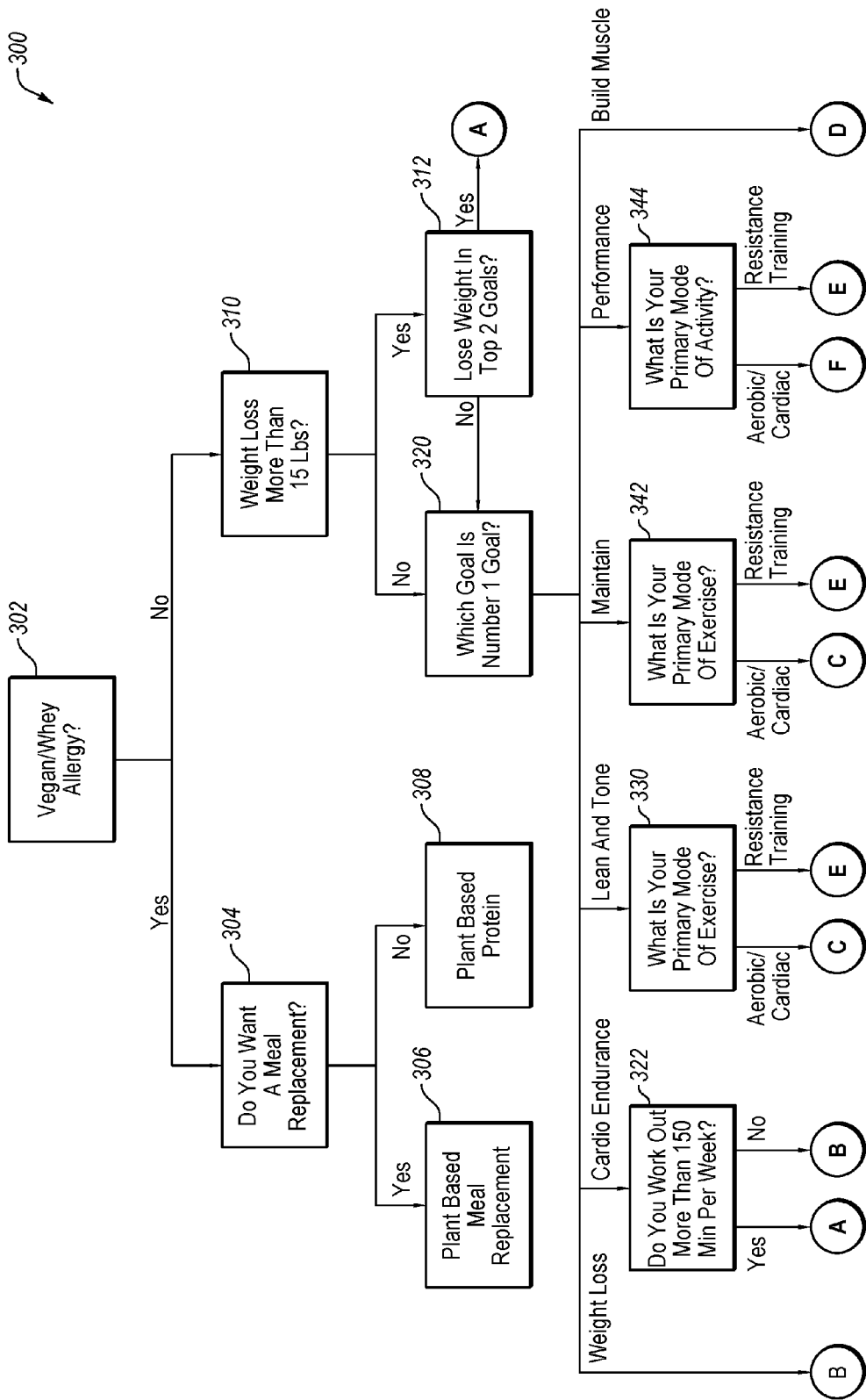


FIG. 3A

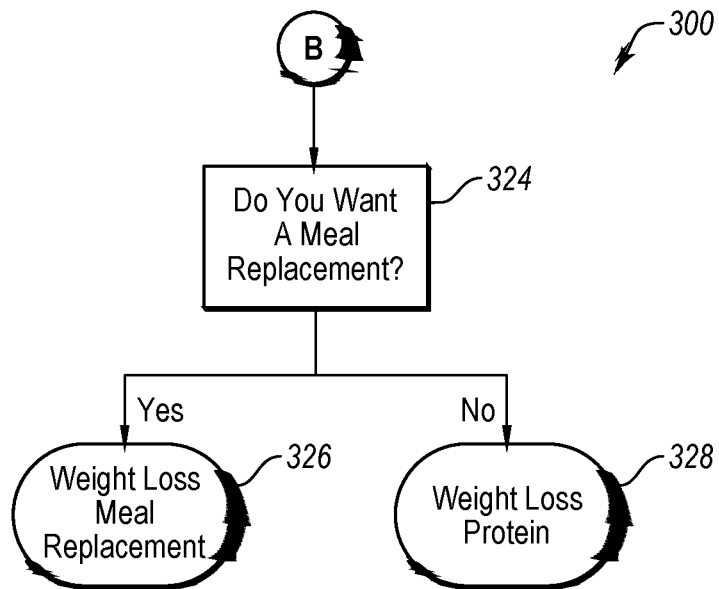
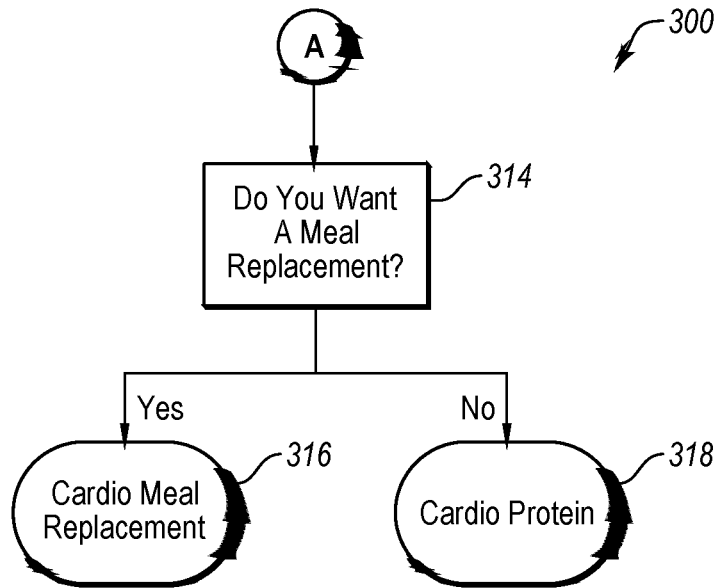


FIG. 3B

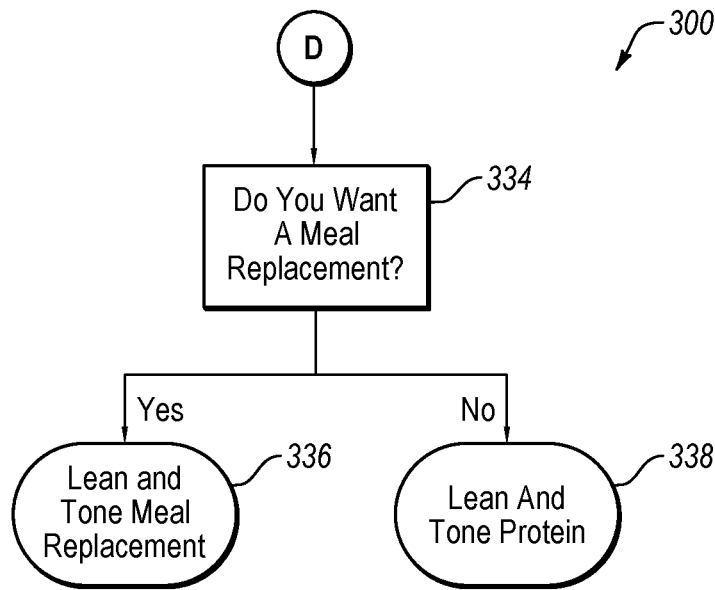
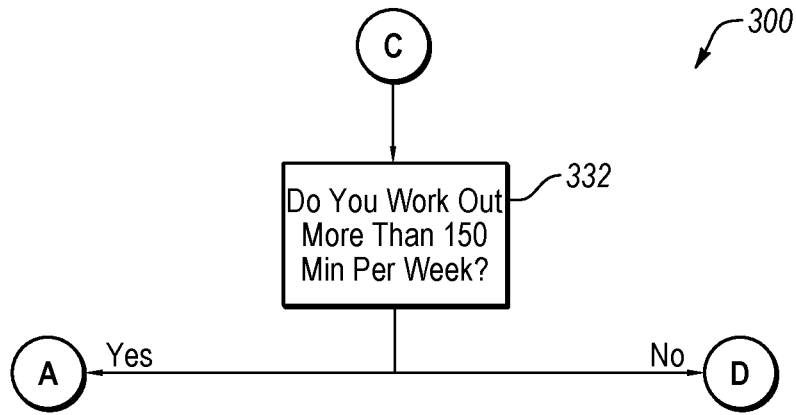


FIG. 3C

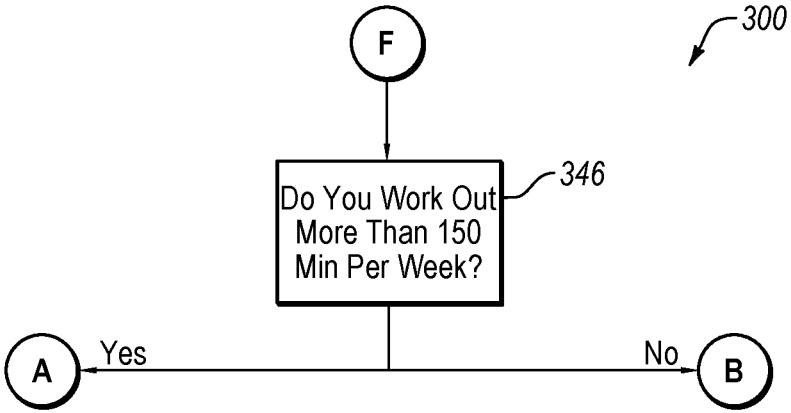
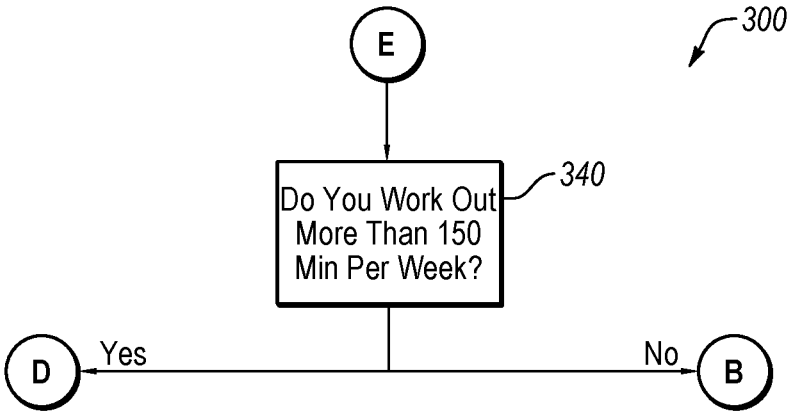


FIG. 3D

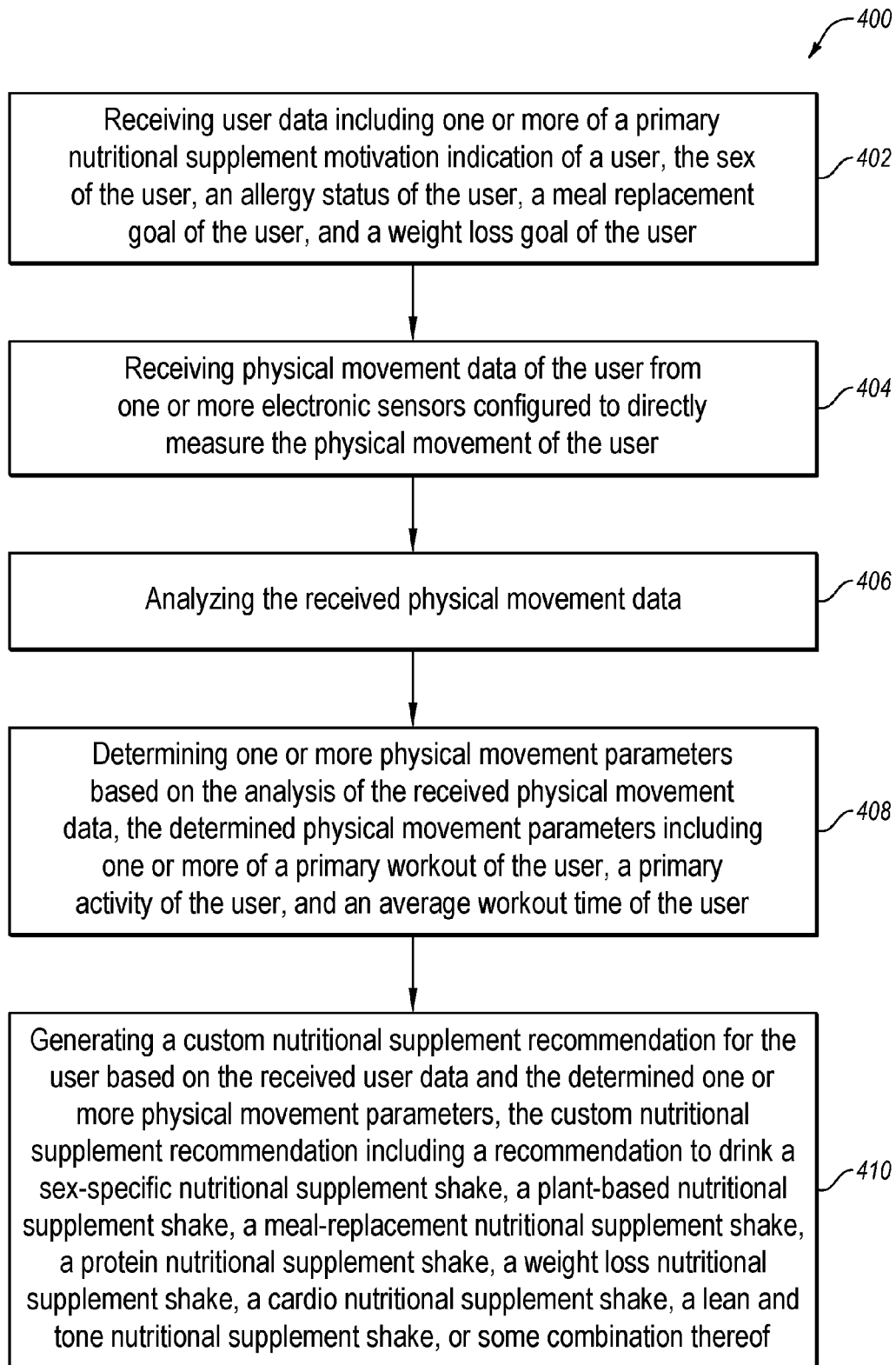


FIG. 4

CUSTOMIZING NUTRITIONAL SUPPLEMENT RECOMMENDATIONS

RELATED APPLICATIONS

[0001] This application claims priority to U.S. Patent Application Ser. No. 62/400,780 titled “Customizing Nutritional Supplement Recommendations” and filed on 28 Sep. 2016, which application is herein incorporated by reference for all that it discloses.

BACKGROUND

[0002] Nutritional supplements are used by many consumers in an effort to achieve a healthy diet. Many nutritional supplements are intended to provide nutrients that may otherwise not be consumed in sufficient quantities.

[0003] Both the demand for and availability of nutritional supplements has increased dramatically in recent years. For example, it is estimated that there are tens of thousands of nutritional supplements for sale in the United States, and it is estimated that over half of the adult population consume nutritional supplements.

[0004] One common problem faced by consumers of nutritional supplements is selecting an appropriate nutritional supplement from among the overwhelming number of choices available. One way a consumer may deal with this problem is to consult with a dietitian, who may make a recommendation based on an analysis of the consumer’s healthy and unhealthy habits. However, such a consultation can be expensive, time consuming, and subjective, and may also be unhelpful due to the consumer providing subjective and inaccurate information to the dietitian, given that consumers notoriously overestimate their healthy habits and underestimate their unhealthy habits.

SUMMARY

[0005] In one aspect of the disclosure, a method for customizing nutritional supplement recommendations may include receiving a primary nutritional supplement motivation indication of a user, receiving physical movement data of the user from one or more electronic sensors configured to directly measure physical movement of the user, analyzing the physical movement data, determining one or more physical movement parameters based on the analysis of the physical movement data, generating a custom nutritional supplement recommendation for the user based on the received primary nutritional supplement motivation indication and the determined one or more physical movement parameters.

[0006] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the one or more electronic sensors including a wearable electronic sensor configured to be worn on a wrist of the user.

[0007] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the determined one or more physical movement parameters including a primary workout of the user.

[0008] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the determined one or more physical movement parameters including a primary activity of the user.

[0009] Another aspect of the disclosure may include any combination of the above-mentioned features and may fur-

ther include the determined one or more physical movement parameters including an average workout time of the user.

[0010] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the method further including receiving the sex of the user and the generating of the custom nutritional supplement recommendation for the user being further based on the received sex of the user.

[0011] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the custom nutritional supplement recommendation including a recommendation to drink a sex-specific nutritional supplement shake.

[0012] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the method further including receiving an allergy status of the user and the generating of the custom nutritional supplement recommendation for the user being further based on the received allergy status of the user.

[0013] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the custom nutritional supplement recommendation including a recommendation to drink a plant-based nutritional supplement shake.

[0014] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the method further including receiving a meal replacement goal of the user and the generating of the custom nutritional supplement recommendation for the user being further based on the received meal replacement goal of the user.

[0015] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the custom nutritional supplement recommendation including a recommendation to drink a meal-replacement nutritional supplement shake.

[0016] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the custom nutritional supplement recommendation including a recommendation to drink a protein nutritional supplement shake.

[0017] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the method further including receiving a weight loss goal of the user and the generating of the custom nutritional supplement recommendation for the user being further based on the received weight loss goal of the user.

[0018] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the custom nutritional supplement recommendation including a recommendation to drink a weight loss nutritional supplement shake.

[0019] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the custom nutritional supplement recommendation including a recommendation to drink a cardio nutritional supplement shake.

[0020] Another aspect of the disclosure may include any combination of the above-mentioned features and may further include the custom nutritional supplement recommendation including a recommendation to drink a lean and tone nutritional supplement shake.

[0021] Another aspect of the disclosure may include any combination of the above-mentioned features and may fur-

ther include one or more non-transitory computer-readable media storing one or more programs that are configured, when executed, to cause one or more processors to perform the method for customizing nutritional supplement recommendations.

BRIEF DESCRIPTION OF THE DRAWINGS

[0022] The accompanying drawings illustrate various embodiments of the present method and system and are a part of the specification. The illustrated embodiments are merely examples of the present system and method and do not limit the scope thereof.

[0023] FIG. 1 is a diagram of an example health system;

[0024] FIGS. 2A-2D are example webpages of an example website that may be employed in connection with the example health system of FIG. 1;

[0025] FIGS. 3A-3D are a diagram of an example method for customizing nutritional supplement recommendations; and

[0026] FIG. 4 is a diagram of another example method for customizing nutritional supplement recommendations.

[0027] Throughout the drawings, identical reference numbers designate similar, but not necessarily identical, elements.

DETAILED DESCRIPTION

[0028] Methods for customizing nutritional supplement recommendations are disclosed herein. Specifically, the present methods generate custom nutritional supplement recommendations for users based on various data that is received or determined. For example, the received data may include a primary nutritional supplement motivation indication of a user and physical movement data of the user. The received physical movement data may be received from one or more electronic sensors configured to directly measure physical movement of the user. This received physical movement data may then be analyzed and then one or more physical movement parameters may be determined based on the analysis of the physical movement data. Finally, the custom nutritional supplement recommendation for the user may be generated based on the received primary nutritional supplement motivation indication and the determined one or more physical movement parameters. The methods for customizing nutritional supplement recommendations are described in detail below.

[0029] FIG. 1 is a diagram of an example health system 100. The system 100 may include a server 102 that hosts a website 200. The system 100 may also include a laptop computer 104, a smartphone 106, a treadmill 108, and an activity tracker watch 110 configured to be worn on the wrist of a first user 112. The system 100 may further include a desktop computer 114, a tablet 116, a bicycle 118, and smart glasses 120 configured to be worn by a second user 122.

[0030] As disclosed in FIG. 1, each of the computing devices in the system 100 may be configured to communicate with one another wirelessly, either locally or remotely via a network 124. In particular, the activity tracker watch 110 worn by the first user 112 may include an electronic sensor, such as an accelerometer, that is configured to directly measure the physical movement of the first user 112, such as the number of steps taken by the first user 112, resulting in physical movement data. Similarly, the treadmill 108 may include multiple electronic sensors, such as an

odometer and a tilt sensor, that are configured to directly measure the physical movement of the first user 112, such as the simulated distance run by the first user 112 on the treadmill 108, and the incline while running, resulting in physical movement data. The physical movement data from the activity tracker watch 110 and the treadmill 108 may be sent to, and received by, the laptop computer 104, the smartphone 106, or the server 102, or some combination thereof. A software application running on the laptop computer 104, the smartphone 106, or the server 102, or some combination thereof, may then be configured to analyze the physical movement data and then determine, based on the analysis of the physical movement data, one or more physical movement parameters. These one or more physical movement parameters may include a primary workout of the first user 112 (such as an aerobic workout, a cardiac workout, or resistance training), a primary activity of the first user 112 (such as walking or typing), or an average workout time of the first user 112 (such as the average number of minutes the first user works out each week), or some combination thereof. After the software application has determined the one or more physical movement parameters, the software application may then generate a custom nutritional supplement recommendation for the first user 112 based at least in part on the one or more physical movement parameters.

[0031] Further, the smart glasses 120 worn by the second user 122 may include multiple electronic sensors, such as a GPS receiver and a video camera, that are configured to directly measure the physical movement of the second user 122, such as the distance traveled and the amount of head movement by the second user 122, resulting in physical movement data. Similarly, the bicycle 118 may include an electronic sensor, such as a cadence sensor, that is configured to directly measure the physical movement of the second user 122, such as the number of pedal strokes performed by the second user 122 on the bicycle 118, resulting in physical movement data. The physical movement data from the smart glasses 120 and the bicycle 118 may be sent to, and received by, the desktop computer 114, the tablet 116, or the server 102, or some combination thereof. A software application running on the desktop computer 114, the tablet 116, or the server 102, or some combination thereof, may then be configured to analyze the physical movement data and then determine, based on the analysis of the physical movement data, one or more physical movement parameters. After the software application has determined the one or more physical movement parameters, the software application may then generate a custom nutritional supplement recommendation for the second user 122 based at least in part on the one or more physical movement parameters.

[0032] FIGS. 2A-2D are example webpages of the website 200 that may be employed in connection with the system 100 of FIG. 1.

[0033] As disclosed in FIG. 2A, a first webpage 210 of the website 200 may be configured to be presented to a user in order to receive data about the user. In particular, the first webpage 210 may be configured to receive the user's birthday, height, sex, current weight, and weight loss goal in data entry fields 212-220, respectively.

[0034] As disclosed in FIG. 2B, a second webpage 230 of the website 200 may be configured to be presented to a user in order to receive data regarding the workouts of the user. In particular, the second webpage 230 may be configured to

receive the user's primary workouts, average frequency of working out, and average duration of each workout in data entry fields 232-236, respectively.

[0035] As disclosed in FIG. 2C, a third webpage 250 of the website 200 may be configured to be presented to a user in order to receive data regarding the goals of the user. In particular, the third webpage 250 may be configured to receive a primary nutritional supplement motivation indication from a user by receiving a ranking of the user's health goals in the areas of losing weight, building muscles, toning and sculpting, maintaining a current fitness level, cardio endurance, and performance using data entry fields 252.

[0036] As disclosed in FIG. 2D, a fourth webpage 270 of the website 200 may be configured to be presented to a user in order to receive data regarding the preferences of the user. In particular, the fourth webpage 270 may be configured to receive the user's meal replacement goal, flavor preferences, and allergy status in data entry fields 272-276, respectively.

[0037] FIG. 3A-3D are a diagram of an example method 300 for customizing nutritional supplement recommendations. The method 300 may be performed, for example, by a software application being executed on the server 102, the laptop computer 104, the smartphone 106, the desktop computer 114, or the tablet 116, or some combination therefore, of FIG. 1. The method 300 may be employed to determine which of sixteen different nutritional supplement shakes a user should be recommended. These sixteen different nutritional supplement shakes include (1) a plant based meal replacement shake for males, (2) a plant based meal replacement shake for females, (3) a plant based protein shake for males, (4) a plant based protein shake for females, (5) a weight loss meal replacement shake for males, (6) a weight loss meal replacement shake for females, (7) a weight loss protein shake for males, (8) a weight loss protein shake for females, (9) a cardio meal replacement shake for males, (10) a cardio meal replacement shake for females, (11) a cardio protein shake for males, (12) a cardio protein shake for females, (13) a lean and tone meal replacement shake for males, (14) a lean and tone meal replacement shake for females, (15) a lean and tone protein shake for males, and (16) a lean and tone protein shake for females.

[0038] As disclosed in FIG. 3A, the method 300 first determines at 302 whether a user is a vegan or has a whey allergy. If so (Yes at 302), the method 300 determines at 304 whether the user wants a meal replacement. If so (Yes at 304), the method 300 determines at 306 that the user should be recommended either the male or female plant based meal replacement shake, depending on whether the user is male or female. If not (No at 304), the method 300 determines at 308 that the user should be recommended either the male or female plant based protein shake.

[0039] If the method 300 determines at 302 that the user is not vegan and does not have a whey allergy (No at 302), the method 300 determines at 310 whether the user has a goal to achieve a weight loss of more than 15 pounds. If so (Yes at 310), the method 300 determines at 312 whether a weight loss goal is ranked in the top two of the user's goals. If so (Yes at 312), the method 300 determines at 314, as disclosed in FIG. 3B, whether the user wants a meal replacement. If so (Yes at 314), the method 300 determines at 316 that the user should be recommended either the male or female cardio meal replacement shake. If not (No at 314),

the method 300 determines at 318 that the user should be recommended either the male or female cardio protein shake.

[0040] As disclosed in FIG. 3A, if the method 300 determines at 312 that a weight loss goal is not ranked in the top two of the user's goals (No at 312), the method 300 determines at 320 which of the user's goals is ranked as the user's number one goal. If the user's number one goal is weight loss (Weight Loss at 320), the method 300 returns to 314, as discussed above.

[0041] As disclosed in FIG. 3A, if the method 300 determines at 320 that the user's number one goal is cardio endurance (Cardio Endurance at 320), the method 300 determines at 322 whether the user works out more than 150 minutes per week. If so (Yes at 322), the method 300 returns to 314, as discussed above. If not (No at 322), the method 300 determines at 324, as disclosed in FIG. 3B, whether the user wants a meal replacement. If so (Yes at 324), the method 300 determines at 326 that the user should be recommended either the male or female weight loss meal replacement shake. If not (No at 324), the method 300 determines at 328 that the user should be recommended either the male or female weight loss protein shake.

[0042] As disclosed in FIG. 3A, if the method 300 determines at 320 that the user's number one goal is lean and tone (Lean and Tone at 320), the method 300 determines at 330 the user's primary mode of exercise. If the user's primary mode of exercise is aerobic or cardiac (Aerobic/Cardiac at 330), the method determines at 332 whether the user works out more than 150 minutes per week. If so (Yes at 332), the method 300 returns to 314, as discussed above. If not (No at 332), the method 300 determines at 334 whether the user wants a meal replacement. If so (Yes at 334), the method 300 determines at 336 that the user should be recommended either the male or female lean and tone meal replacement shake. If not (No at 334), the method 300 determines at 338 that the user should be recommended either the male or female lean and tone protein shake. If the user's primary mode of exercise is resistance training (Resistance Training at 330), the method determines at 340 whether the user works out more than 150 minutes per week. If so (Yes at 340), the method 300 returns to 334, as discussed above. If not (No at 340), the method 300 returns to 324, as discussed above.

[0043] As disclosed in FIG. 3A, if the method 300 determines at 320 that the user's number one goal is maintaining a current fitness level (Maintain at 320), the method 300 determines at 342 the user's primary mode of exercise. If the user's primary mode of exercise is aerobic or cardiac (Aerobic/Cardiac at 342), the method returns to 332 as discussed above. If the user's primary mode of exercise is resistance training (Resistance Training at 342), the method returns to 340 as discussed above.

[0044] As disclosed in FIG. 3A, if the method 300 determines at 320 that the user's number one goal is performance (Performance at 320), the method 300 determines at 344 the user's primary mode of activity. If the user's primary mode of activity is aerobic or cardiac (Aerobic/Cardiac at 344), the method determines at 346 whether the user works out more than 150 minutes per week. If so (Yes at 346), the method 300 returns to 314, as discussed above. If not (No at 346), the method 300 returns to 324, as discussed above. If the

user's primary mode of exercise is resistance training (Resistance Training at 344), the method returns to 340 as discussed above.

[0045] As disclosed in FIG. 3A, if the method 300 determines at 320 that the user's number one goal is to build muscle (Build Muscle at 320), the method 300 returns to 334 as discussed above.

[0046] FIG. 4 is a diagram of an example method 400 for customizing nutritional supplement recommendations. The method 400 may be performed, for example, by a software application being executed on the server 102, the laptop computer 104, the smartphone 106, the desktop computer 114, or the tablet 116, or some combination therefore, of FIG. 1.

[0047] The method 400 may include receiving, at 402, user data including one or more of a primary nutritional supplement motivation indication of a user, the sex of the user, an allergy status of the user, a meal replacement goal of the user, and a weight loss goal of the user.

[0048] The method 400 may include receiving, at 404, physical movement data of the user from one or more electronic sensors configured to directly measure physical movement of the user.

[0049] The method 400 may include analyzing, at 406, the received physical movement data.

[0050] The method 400 may include determining, at 408, one or more physical movement parameters based on the analysis of the physical movement data, the physical movement parameters including one or more of a primary workout of the user, a primary activity of the user, and an average workout time of the user.

[0051] The method 400 may include generating, at 410, a custom nutritional supplement recommendation for the user based on the received user data and the determined one or more physical movement parameters. The custom nutritional supplement recommendation may include a recommendation to drink a sex-specific nutritional supplement shake, a plant-based nutritional supplement shake, a meal-replacement nutritional supplement shake, a protein nutritional supplement shake, a weight loss nutritional supplement shake, a cardio nutritional supplement shake, a lean and tone nutritional supplement shake, or some combination thereof.

INDUSTRIAL APPLICABILITY

[0052] In general, the methods for customizing nutritional supplement recommendations disclosed above generate custom nutritional supplement recommendations for users based on various data that is received or determined. Various modifications to the methods disclosed above will now be disclosed.

[0053] The software application disclosed herein that is configured to receive data, analyze data, make determinations with respect to data, and generate custom nutritional supplement recommendations may be configured to be executed on one or more computing devices. For example, the computing devices may include, but are not limited to, an application or app that is executed on a smartphone, a smart watch, a smart panel of a smart home network, an exercise machine, a laptop computer, a tablet, or a desktop computer. Further, the software application may be distributed across two or more computing devices that communicate with each other over a wired or wireless network.

[0054] Further, the software application disclosed herein may include the use of a special-purpose or general-purpose computer, including various computer hardware or software. The software application may be implemented using non-transitory computer-readable media for carrying or having computer-executable instructions or data structures stored thereon. Such computer-readable media may be any available media that may be accessed by a general-purpose or special-purpose computer. By way of example, and not limitation, such computer-readable media may include non-transitory computer-readable storage media including RAM, ROM, EEPROM, CD-ROM or other optical disk storage, magnetic disk storage or other magnetic storage devices, or any other storage medium which may be used to carry or store one or more desired programs having program code in the form of computer-executable instructions or data structures and which may be accessed and executed by a general-purpose computer, special-purpose computer, or virtual computer such as a virtual machine. Combinations of the above may also be included within the scope of computer-readable media. Computer-executable instructions comprise, for example, instructions and data which, when executed by one or more processors, cause a general-purpose computer, special-purpose computer, or virtual computer such as a virtual machine to perform a certain method, function, or group of methods or functions.

[0055] The communication between computing devices disclosed herein may be accomplished over any wired or wireless communication network including, but not limited to, a Local Area Network (LAN), a Wide Area Network (WAN), a Wireless Application Protocol (WAP) network, a Bluetooth network, an ANT network, or an Internet Protocol (IP) network such as the Internet, or some combination thereof.

[0056] The receipt of data from a user disclosed herein in connection with various webpages of a website may additionally or alternatively be accomplished using other data gathering technologies including, but not limited to, receiving data from a user via data entry interfaces of an app on a smartphone or gathering data regarding a user by accessing databases that already store the desired data such as registration databases of an app server or a website server, or some combination thereof. Further, the receipt of data from a user disclosed herein in connection with various webpages of a website is example data only, and other types and specificity of data may additionally or alternatively be received from a user.

[0057] The sixteen different nutritional supplement shakes disclosed herein are just one example of a set of nutritional supplements that can be recommended to a user based on received and determined data. This set of nutritional supplements may be recommended using the methods disclosed herein. However, other sets of nutritional supplements may also be recommended using the method 300 or the method 400 or some combination thereof, and these methods are therefore not limited to use with the sixteen different nutritional supplement shakes disclosed herein.

[0058] The electronic sensors disclosed herein that are configured to directly measure the physical movement of the user may include both portable as well as stationary electronic sensors. Portable electronic sensors may include, but are not limited to, electronic sensors built into smart watches, fitness trackers, sport watches, head mounted displays, smart clothing, smart jewelry, vehicles, sports equip-

ment, or implantables configured to be implanted in the human body, or some combination thereof. Stationary electronic sensors may include, but are not limited to, sensors built into exercise machines, furniture, beds or bedding (to measure physical movement while in bed and/or while asleep), flooring, walls, ceilings, doorways, or fixtures along paths and roadways, or some combination thereof. These sensors configured to measure the physical movement of the user may include, but are not limited to, sensors that measure physical movement using infrared, microwave, ultrasonic, tomographic, GPS, accelerometer, gyroscope, odometer, tilt, speedometer, piezoelectric, or video technologies, or some combination thereof.

[0059] The use of one or more electronic sensors in the example methods disclosed herein may solve the problem of a subjective recommendation from a dietitian that is based on subjective information provided by a user. In particular, since a dietitian is a human being, the dietitian is inherently biased and any recommendations are necessarily subjective instead of objective. Further, there are severe limitations to what types of information, and accuracy of information, that a human user can gather and convey to the human dietitian. The use of one or more electronic sensors in the example methods disclosed herein may solve these problems by using highly sophisticated and specialized electronic sensors that are configured to objectively and directly measure the physical movement of the user resulting in objective physical movement data and then sending that objective physical movement data to the objective software application disclosed herein instead of a subjective human dietitian. These electronic sensors may have specific tolerances and may enable a single computing device to measure multiple users in multiple remote locations. None of these capabilities are available to a human user absent these highly sophisticated and specialized electronic sensors. These highly sophisticated and specialized electronic sensors may therefore solve the problems with the prior art method by objectively and accurately measuring physical movement of the user instead of relying on subjective and biased observations of a user.

[0060] Further, the example methods disclosed herein are not directed to an abstract idea because they solve a technical problem using highly sophisticated and specialized electronic sensors. The data generated by these electronic sensors simply has no equivalent to pre-electronic sensor, manual paper-and-pencil data.

[0061] Also, the example methods disclosed herein may improve the technical field of automated nutritional supplement recommendations. For example, the technical field of automated nutritional supplement recommendations may be improved by the example methods disclosed herein at least because the prior art method did not enable the automatic measurement of the physical movement of a user and the automatic sending of physical movement data to a software application capable of customizing a nutritional supplement recommendation based on an automatic analysis and determination of parameters from the received physical movement data.

What is claimed is:

1. A method for customizing nutritional supplement recommendations, the method comprising:

receiving a primary nutritional supplement motivation indication of a user;

receiving physical movement data of the user from one or more electronic sensors configured to directly measure physical movement of the user;

analyzing the physical movement data;

determining one or more physical movement parameters based on the analysis of the physical movement data; and

generating a custom nutritional supplement recommendation for the user based on the received primary nutritional supplement motivation indication and the determined one or more physical movement parameters.

2. The method of claim 1, wherein the one or more electronic sensors include a wearable electronic sensor configured to be worn on a wrist of the user.

3. The method of claim 1, wherein the determined one or more physical movement parameters include a primary workout of the user.

4. The method of claim 1, wherein the determined one or more physical movement parameters include a primary activity of the user.

5. The method of claim 1, wherein the determined one or more physical movement parameters include an average workout time of the user.

6. The method of claim 1, wherein:

the method further comprises receiving the sex of the user; and

the generating of the custom nutritional supplement recommendation for the user is further based on the received sex of the user.

7. The method of claim 6, wherein the custom nutritional supplement recommendation includes a recommendation to drink a sex-specific nutritional supplement shake.

8. The method of claim 1, wherein:

the method further comprises receiving an allergy status of the user; and

the generating of the custom nutritional supplement recommendation for the user is further based on the received allergy status of the user.

9. The method of claim 8, wherein the custom nutritional supplement recommendation includes a recommendation to drink a plant-based nutritional supplement shake.

10. The method of claim 1, wherein:

the method further comprises receiving a meal replacement goal of the user; and

the generating of the custom nutritional supplement recommendation for the user is further based on the received meal replacement goal of the user.

11. The method of claim 10, wherein the custom nutritional supplement recommendation includes a recommendation to drink a meal-replacement nutritional supplement shake.

12. The method of claim 10, wherein the custom nutritional supplement recommendation includes a recommendation to drink a protein nutritional supplement shake.

13. The method of claim 1, wherein:

the method further comprises receiving a weight loss goal of the user; and

the generating of the custom nutritional supplement recommendation for the user is further based on the received weight loss goal of the user.

14. The method of claim 13, wherein the custom nutritional supplement recommendation includes a recommendation to drink a weight loss nutritional supplement shake.

15. The method of claim 1, wherein the custom nutritional supplement recommendation includes a recommendation to drink a cardio nutritional supplement shake.

16. The method of claim 1, wherein the custom nutritional supplement recommendation includes a recommendation to drink a lean and tone nutritional supplement shake.

17. One or more non-transitory computer-readable media storing one or more programs that are configured, when executed, to cause one or more processors to perform a method for customizing nutritional supplement recommendations, the method comprising:

receiving a primary nutritional supplement motivation indication of a user;

receiving physical movement data of the user from one or more electronic sensors configured to directly measure physical movement of the user;

analyzing the received physical movement data;

determining one or more physical movement parameters based on the analysis of the received physical movement data; and

generating a custom nutritional supplement recommendation for the user based on the received primary nutritional supplement motivation indication and the determined one or more physical movement parameters.

18. The one or more non-transitory computer-readable media of claim 17, wherein:

the one or more electronic sensors includes a wearable electronic sensor configured to be worn on a wrist of the user; and

the determined one or more physical movement parameters include a primary workout of the user, a primary activity of the user, and an average workout time of the user.

19. The one or more non-transitory computer-readable media of claim 17, wherein:

the method further comprises receiving the sex of the user, an allergy status of the user, a meal replacement goal of the user, and a weight loss goal of the user; and

the generating of the custom nutritional supplement recommendation for the user is further based on the received sex of the user, the received allergy status of the user, the received meal replacement goal of the user, and the received weight loss goal of the user.

20. The one or more non-transitory computer-readable media of claim 17, wherein:

the custom nutritional supplement recommendation includes a recommendation to drink a sex-specific nutritional supplement shake, a plant-based nutritional supplement shake,

a meal-replacement nutritional supplement shake, a protein nutritional supplement shake, a weight loss nutritional supplement shake, a cardio nutritional supplement shake, a lean and tone nutritional supplement shake, or some combination thereof.

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