Claims

1. A communications server apparatus for managing a subscription plan for a plurality of offering categories, comprising a processor and a memory, the communications server apparatus being configured, under control of the processor to execute instructions in the memory to:

in response to receiving subscription request data comprising at least one data field indicative of a request by a user for subscribing to the subscription plan for the plurality of offering categories,

generate, in one or more data records, subscription data indicative of the subscription plan, the subscription data comprising a plurality of offering data for a corresponding plurality of offering categories to be covered in the subscription plan, the plurality of offering data corresponding to the user, wherein, for each offering data, the offering data comprises token data indicative of tokens associated with the corresponding offering category, the tokens being usable for offerings in the corresponding offering category; and

communicate the subscription plan to a communications device of the user; and

in response to receiving group request data indicative of a request by the user to include a group comprising the user as a group member and one or more additional group members in the subscription plan, for generating the subscription data, the communications server apparatus is further configured to generate, for each additional group member, a plurality of offering data for a corresponding plurality of offering categories to be covered in the subscription plan, wherein, for each offering data, the offering data comprises token data indicative of tokens associated with the corresponding offering category, the tokens being usable for offerings in the corresponding offering category,

wherein the tokens for the user and the tokens for the each additional group member are distinct from one another.

2. The communications server apparatus as claimed in claim 1, wherein, for the each offering data for the user, the token data comprises token number data indicative of a number of the tokens associated with the corresponding offering category.

3. The communications server apparatus as claimed in claim 1 or 2, wherein, for the each offering data for the user, the token data comprises time data indicative of one or more time periods that the tokens are available.

4. The communications server apparatus as claimed in any one of claims 1 to 3, wherein, for generating the subscription data, the communications server apparatus is configured to generate the token data for the plurality of offering categories for the user based on output data generated by one or more machine learning models trained using user historical data.

5. The communications server apparatus as claimed in any one of claims 1 to 4, wherein, in response to receiving user input data corresponding to the tokens for the user, for generating the subscription data, the communications server apparatus is further configured to modify the token data for the user in accordance with the user input data.

6. The communications server apparatus as claimed in any one of claims 1 to 5, wherein, in response to receiving add request data indicative of a request by the user to include an additional offering category for the user in the subscription plan, for generating the subscription data, the communications server apparatus is further configured to generate additional offering data for the additional offering category, the additional offering data comprising additional token data indicative of tokens associated with the additional offering category.

7. The communications server apparatus as claimed in any one of claims 1 to 6, wherein, for the each offering data for the each additional group member, the token data comprises token number data indicative of a number of the tokens associated with the corresponding offering category.

8. The communications server apparatus as claimed in any one of claims 1 to 7, wherein, for the each offering data for the each additional group member, the token data comprises time data indicative of one or more time periods that the tokens are available.

9. The communications server apparatus as claimed in any one of claims 1 to 8, wherein, for generating the subscription data, the communications server apparatus is configured to generate the token data for the plurality of offering categories for the each additional group member based on output data generated by one or more machine learning models trained using user historical data.

10. The communications server apparatus as claimed in any one of claims 1 to 9, wherein, in response to receiving additional user input data corresponding to the tokens for the each additional group member, for generating the subscription data, the communications server apparatus is further configured to modify the token data for the each additional group member in accordance with the additional user input data.

11. The communications server apparatus as claimed in any one of claims 1 to 10, wherein, in response to receiving confirmation data comprising at least one data field indicative of a confirmation by the user to the subscription plan, the communications server apparatus is further configured to store the subscription data in a database.

12. A method for managing a subscription plan for a plurality of offering categories, the method comprising:

in response to receiving subscription request data comprising at least one data field indicative of a request by a user for subscribing to the subscription plan for the plurality of offering categories,

generating, in one or more data records, subscription data indicative of the subscription plan, the subscription data comprising a plurality of offering data for a corresponding plurality of offering categories to be covered in the subscription plan, the plurality of offering data corresponding to the user, wherein, for each offering data, the offering data comprises token data indicative of tokens associated with the corresponding offering category, the tokens being usable for offerings in the corresponding offering category; and

communicating the subscription plan to a communications device of the user; and

in response to receiving group request data indicative of a request by the user to include a group comprising the user as a group member and one or more additional group members in the subscription plan, generating the subscription data comprises generating, for each additional group member, a plurality of offering data for a corresponding plurality of offering categories to be covered in the subscription plan, wherein, for each offering data, the offering data comprises token data indicative of tokens associated with the corresponding offering category, the tokens being usable for offerings in the corresponding offering category,

wherein the tokens for the user and the tokens for the each additional group member are distinct from one another.

13. The method as claimed in claim 12, wherein, for the each offering data for the user, the token data comprises token number data indicative of a number of the tokens associated with the corresponding offering category.

14. The method as claimed in claim 12 or 13, wherein, for the each offering data for the user, the token data comprises time data indicative of one or more time periods that the tokens are available.

15. The method as claimed in any one of claims 12 to 14, wherein generating the subscription data comprises generating the token data for the plurality of offering categories for the user based on output data generated by one or more machine learning models trained using user historical data.

16. The method as claimed in any one of claims 12 to 15, wherein, in response to receiving user input data corresponding to the tokens for the user, generating the subscription data comprises modifying the token data for the user in accordance with the user input data.

17. The method as claimed in any one of claims 12 to 16, wherein, in response to receiving add request data indicative of a request by the user to include an additional offering category for the user in the subscription plan, generating the subscription data comprises generating additional offering data for the additional offering category, the additional offering data comprising additional token data indicative of tokens associated with the additional offering category.

18. The method as claimed in any one of claims 12 to 17, wherein, for the each offering data for the each additional group member, the token data comprises token number data indicative of a number of the tokens associated with the corresponding offering category.

19. The method as claimed in any one of claims 12 to 18, wherein, for the each offering data for the each additional group member, the token data comprises time data indicative of one or more time periods that the tokens are available.

20. The method as claimed in any one of claims 12 to 19, wherein generating the subscription data comprises generating the token data for the plurality of offering categories for the each additional group member based on output data generated by one or more machine learning models trained using user historical data.

21. The method as claimed in any one of claims 12 to 20, wherein, in response to receiving additional user input data corresponding to the tokens for the each additional group member, generating the subscription data comprises modifying the token data for the each additional group member in accordance with the additional user input data.

22. The method as claimed in any one of claims 12 to 21, wherein, in response to receiving confirmation data comprising at least one data field indicative of a confirmation by the user to the subscription plan, the method further comprises storing the subscription data in a database.

23. A computer program or a computer program product comprising instructions for implementing the method as claimed in any one of claims 12 to 22.

24. A non-transitory storage medium storing instructions, which when executed by a processor cause the processor to perform the method as claimed in any one of claims 12 to 22.

25. A communications device for managing a subscription plan for a plurality of offering categories, comprising a processor and a memory, the communications device being configured, under control of the processor, to execute instructions in the memory to:

generate subscription request data indicative of a request by a user to subscribe to the subscription plan to cover the plurality of offering categories;

transmit the subscription request data to a communications server apparatus for processing;

generate group request data indicative of a request by the user to include a group comprising the user as a group member and one or more additional group members in the subscription plan, the group request data comprising token request data indicative of a request by the user for tokens for the plurality of offering categories, the tokens comprising, for each offering category for the user, tokens usable for offerings in the each offering category for the user, and, for each offering category for each additional group member, tokens usable for offerings in the each offering category for the each additional group member, wherein the tokens for the user and the tokens for the each additional group member are distinct from one another; and

transmit the group request data to the communications server apparatus for processing.

26. The communications device as claimed in claim 25, further configured to:

generate user input data indicative of a change made by the user to one or more parameters of tokens associated with the plurality of offering categories; and

transmit the user input data to the communications server apparatus for processing.

27. The communications device as claimed in claim 25 or 26, further configured to:

generate add request data indicative of a request by the user to include an additional offering category in the subscription plan; and

transmit the add request data to the communications server apparatus for processing.

28. A method for managing a subscription plan for a plurality of offering categories, the method comprising:

generating subscription request data indicative of a request by a user to subscribe to the subscription plan to cover the plurality of offering categories;

transmitting the subscription request data to a communications server apparatus for processing;

generating group request data indicative of a request by the user to include a group comprising the user as a group member and one or more additional group members in the subscription plan, the group request data comprising token request data indicative of a request by the user for tokens for the plurality of offering categories, the tokens comprising, for each offering category for the user, tokens usable for offerings in the each offering category for the user, and, for each offering category for each additional group member, tokens usable for offerings in the each offering category for the each additional group member, wherein the tokens for the user and the tokens for the each additional group member are distinct from one another; and

transmitting the group request data to the communications server apparatus for processing.

29. The method as claimed in claim 28, further comprising:

generating user input data indicative of a change made by the user to one or more parameters of tokens associated with the plurality of offering categories; and

transmitting the user input data to the communications server apparatus for processing.

30. The method as claimed in claim 28 or 29, further comprising:

generating add request data indicative of a request by the user to include an additional offering category in the subscription plan; and

transmitting the add request data to the communications server apparatus for processing.

31. A computer program or a computer program product comprising instructions for implementing the method as claimed in any one of claims 28 to 30.

32. A non-transitory storage medium storing instructions, which when executed by a processor cause the processor to perform the method as claimed in any one of claims 28 to 30.

33. A communications system for managing a subscription plan for a plurality of offering categories, comprising a communications server apparatus, at least one user communications device and communications network equipment operable for the communications server apparatus and the at least one user communications device to establish communication with each other therethrough,

wherein the at least one user communications device comprises a first processor and a first memory, the at least one user communications device being configured, under control of the first processor, to execute first instructions stored in the first memory to transmit, for receipt by the communications server apparatus for processing, subscription request data comprising at least one data field indicative of a request by a user for subscribing to the subscription plan for the plurality of offering categories, and group request data comprising at least one data field indicative of a request by the user to include a group comprising the user as a group member and one or more additional group members in the subscription plan; and

wherein the communications server apparatus comprises a second processor and a second memory, the communications server apparatus being configured, under control of the second processor, to execute second instructions stored in the second memory to:

in response to receiving data indicative of the subscription request data,

generate, in one or more data records, subscription data indicative of the subscription plan, the subscription data comprising a plurality of offering data for a corresponding plurality of offering categories to be covered in the subscription plan,

the plurality of offering data corresponding to the user, wherein, for each offering data, the offering data comprises token data indicative of tokens associated with the corresponding offering category, the tokens being usable for offerings in the corresponding offering category; and

communicate the subscription plan to the at least one user communications device; and

in response to receiving data indicative of the group request data, for generating the subscription data, the communications server apparatus is further configured to generate, for each additional group member, a plurality of offering data for a corresponding plurality of offering categories to be covered in the subscription plan, wherein, for each offering data, the offering data comprises token data indicative of tokens associated with the corresponding offering category, the tokens being usable for offerings in the corresponding offering category,

wherein the tokens for the user and the tokens for the each additional group member are distinct from one another.