CLAIMS

1. A system, comprising:
    a. a wireless device having a processor that is operable, when executed, to:
        i. display at least a portion of a cooking recipe; and
        ii. establish a first communication link with a heat source system to be used to cook a food item in accordance with the cooking recipe;
    b. the heat source system, comprising:
        i. a heat source operable to provide an amount of energy to be used to cook the food item in accordance with the cooking recipe; and
        ii. a processor communicatively coupled to the heat source, and operable, when executed, to:
            1. establish a second communication link with a cooking device system;
            2. receive, via the first communication link with the wireless device, an indication of a first temperature associated with the cooking recipe;
            3. receive, via the second communication link with the cooking device system, an indication of a current temperature associated with the food item; and
            4. based on the indication of the first temperature and the indication of the current temperature, adjust the amount of energy provided by the heat source; and
    c. the cooking device system, comprising:
        i. a cooking device operable to be used in cooking the food item in accordance with the cooking recipe;
        ii. one or more temperature sensors coupled to the cooking device and operable to provide a measurement of the current temperature associated with the food item; and
        iii. a processor communicatively coupled to the one or more temperature sensors, and operable, when executed, to communicate the indication of the current temperature associated with the food item for reception by the heat source system via the second communication link; and

d. wherein the processor of the heat source system is further operable, when executed, to:
    i. receive, via the first communication link with the wireless device, an indication of a duration of time associated with the first temperature;
    ii. determine whether the first communication link with the wireless device has failed; and
    iii. in response to the determination that the first communication link with the wireless device has failed:
        1. determine whether the duration of time associated with the first temperature has lapsed;
        2. in response to the determination that the duration of time associated with the first temperature has not lapsed, continue to allow the heat source to provide the adjusted amount of energy.

2. The system of 1, wherein the processor of the heat source system is further operable, when executed, to:
    a. receive, via the first communication link with the wireless device, an indication of a hold temperature; and
    b. in response to the determination that the duration of time associated with the first temperature has lapsed, further adjust the amount of energy provided by the heat source based on the hold temperature.

3. The system of Claim 1, wherein the processor of the wireless device is further operable, when executed, to:
    a. establish a third communication link with the cooking device system;
    b. receive, via the third communication link with the cooking device system, the indication of the current temperature associated with the food item; and
    c. display a graphical representation of the current temperature associated with the food item.

4. A system, comprising:
    a. a heat source operable to provide an amount of energy to be used to cook a food item; and

b. a processor communicatively coupled to the heat source, and operable, when executed, to:
    i. establish a first communication link with a wireless device having a cooking recipe for the food item;
    ii. receive, via the first communication link with the wireless device, an indication of a first temperature associated with the cooking recipe;
    iii. establish a second communication link with a cooking device system operable to be used in cooking the food item;
    iv. receive, via the second communication link with the cooking device system, an indication of a current temperature associated with the food item;
    v. based on the indication of the first temperature and the indication of the current temperature, adjust the amount of energy provided by the heat source;
    vi. receive, via the first communication link with the wireless device, an indication of a duration of time associated with the first temperature;
    vii. determine whether the first communication link with the wireless device has failed; and
    viii. in response to the determination that the first communication link with the wireless device has failed:
        1. determine whether the duration of time associated with the first temperature has lapsed;
        2. in response to the determination that the duration of time associated with the first temperature has not lapsed, continue to allow the heat source to provide the adjusted amount of energy.

5. The system of Claim 4, wherein the processor is further operable, when executed, to:
    a. receive, via the first communication link with the wireless device, an indication of a hold temperature; and
    b. in response to the determination that the duration of time associated with the first temperature has lapsed, further adjust the amount of energy provided by the heat source based on the hold temperature.

6. The system of Claim 4, wherein the processor is further operable, when executed, to:
    a. in further response to the determination that the first communication link with the wireless device has failed, scan through one or more additional communication protocols in order to attempt to reestablish the first communication link.

7. The system of Claim 4, wherein the processor is further operable, when executed, to:
    a. receive, via the first communication link with the wireless device, an indication of a duration of time associated with the first temperature;
    b. receive, via the first communication link with the wireless device, an indication of a second temperature associated with the cooking recipe;
    c. receive, via the second communication link with the cooking device system, an indication of a subsequent current temperature associated with the food item;
    d. determine whether the duration of time associated with the first temperature has lapsed; and
    e. in response to the determination that the duration of time associated with the first temperature has lapsed, further adjust the amount of energy provided by the heat source based on the indication of the second temperature and the indication of the subsequent current temperature.

8. The system of Claim 4, wherein the processor is further operable, when executed, to:
    a. receive, via the second communication link with the cooking device system, an advertisement packet from the cooking device system;
    b. following the reception of the advertisement packet, transmit, via the second communication link with the cooking device system, a request for additional information from the cooking device system; and
    c. following the transmittal of the request for additional information, receive, via the second communication link with the cooking device system, a scan response packet from the cooking device system, wherein the scan response packet includes the indication of the current temperature associated with the food item.

9. The system of Claim 4, wherein the processor is further operable, when executed, to:
    a. receive, via the first communication link with the wireless device, a unique identifier for the cooking device system; and

b. establish the second communication link with the cooking device system based on the unique identifier for the cooking device system received from the wireless device.

10. The system of Claim 4, wherein the cooking device system comprises a cooking device, wherein the cooking device is a cooking pot, a cooking pan, a cooking tray, or a cooking utensil.

11. A method, comprising:

a. establishing, by a processor communicatively coupled to a heat source, a first communication link with a wireless device having a cooking recipe for a food item, wherein the heat source is operable to provide an amount of energy to be used to cook the food item;
b. receiving, by the processor and via the first communication link with the wireless device, an indication of a first temperature associated with the cooking recipe;
c. establishing, by the processor, a second communication link with a cooking device system operable to be used in cooking the food item;
d. receiving, by the processor and via the second communication link with the cooking device system, an indication of a current temperature associated with the food item;
e. based on the indication of the first temperature and the indication of the current temperature, adjusting, by the processor, the amount of energy provided by the heat source;
f. receiving, by the processor and via the first communication link with the wireless device, an indication of a duration of time associated with the first temperature;
g. determining, by the processor, whether the first communication link with the wireless device has failed; and
h. in response to the determination that the first communication link with the wireless device has failed:
    i. determining, by the processor, whether the duration of time associated with the first temperature has lapsed; and

ii. in response to the determination that the duration of time associated with the first temperature has not lapsed, continuing, by the processor, to allow the heat source to provide the adjusted amount of energy.

12. The method of Claim 11, further comprising:
    a. receiving, by the processor and via the first communication link with the wireless device, an indication of a hold temperature; and
    b. in response to the determination that the duration of time associated with the first temperature has lapsed, further adjusting, by the processor, the amount of energy provided by the heat source based on the hold temperature.

13. The method of Claim 11, further comprising:
    a. in further response to the determination that the first communication link with the wireless device has failed, scanning, by the processor, through one or more additional communication protocols in order to attempt to reestablish the first communication link.

14. The method of Claim 11, further comprising:
    a. receiving, by the processor and via the first communication link with the wireless device, an indication of a duration of time associated with the first temperature;
    b. receiving, by the processor and via the first communication link with the wireless device, an indication of a second temperature associated with the cooking recipe;
    c. receiving, by the processor and via the second communication link with the cooking device system, an indication of a subsequent current temperature associated with the food item;
    d. determining, by the processor, whether the duration of time associated with the first temperature has lapsed; and
    e. in response to the determination that the duration of time associated with the first temperature has lapsed, further adjusting, by the processor, the amount of energy provided by the heat source based on the indication of the second temperature and the indication of the subsequent current temperature.

15. The method of Claim 11, further comprising:
    a. receiving, by the processor and via the second communication link with the cooking device system, an advertisement packet from the cooking device system;
    b. following the reception of the advertisement packet, transmitting, by the processor and via the second communication link with the cooking device system, a request for additional information from the cooking device system; and
    c. following the transmittal of the request for additional information, receiving, by the processor and via the second communication link with the cooking device system, a scan response packet from the cooking device system, wherein the scan response packet includes the indication of the current temperature associated with the food item.

16. The method of Claim 11, further comprising:
    a. receiving, by the processor and via the first communication link with the wireless device, a unique identifier for the cooking device system; and
    b. establishing, by the processor, the second communication link with the cooking device system based on the unique identifier for the cooking device system received from the wireless device.

17. The method of Claim 11, wherein the cooking device system comprises a cooking device, wherein the cooking device is a cooking pot, a cooking pan, a cooking tray, or a cooking utensil.

18. A wireless device comprising:
    a. a processor that is operable, when executed, to:
        i. display at least a portion of a cooking recipe;
        ii. establish a first communication link with a heat source system to be used to cook a food item in accordance with the cooking recipe;

        iii. transmit, via the first communication link, one or more cooking instructions to the heat source system, wherein the one or more cooking

instructions are configured to cause the heat source system to adjust an amount of energy provided by a heat source of the heat source system to cook the food item;

iv. establish a second communication link with a cooking device system, the cooking device system having a cooking device operable to be used in cooking the food item in accordance with the cooking recipe, and further having one or more temperature sensors coupled to the cooking device and operable to provide a measurement of a current temperature associated with the food item;

v. either:

1. receive a unique identifier associated with the cooking device system via the second communication link; and
2. transmit the unique identifier associated with the cooking device system to the heat source system via the first communication link;

vi. or

1. receive a unique identifier associated with the heat source system via the first communication link; and
2. transmit the unique identifier associated with the heat source system to the cooking device system via the second communication link; and

vii. wherein the heat source system is operable to establish a third communication link with the cooking device system using the unique identifier associated with the cooking device system, or wherein the cooking device system is operable to establish the third communication link with the heat source system using the unique identifier associated with the heat source system.

19. The wireless device of Claim 18, wherein the processor is further operable, when executed, to:

a. determine whether the first communication link with the heat source system has failed; and

b. in response to the determination that the first communication link with the heat source system has failed, scan through one or more additional communication protocols in order to attempt to reestablish the first communication link.

20. A system comprising:

a. a cooking device operable to be used in cooking a food item in accordance with a cooking recipe;

b. one or more temperature sensors coupled to the cooking device and operable to provide a measurement of the current temperature associated with the food item; and

c. a processor communicatively coupled to the one or more temperature sensors, and operable, when executed, to:

i. establish a first communication link with a wireless device that is operable to display at least a portion of the cooking recipe;

ii. establish a second communication link with a heat source system having a heat source operable to provide an amount of energy to be used to cook the food item in accordance with the cooking recipe; and

iii. transmit, via the second communication link, an indication of the current temperature associated with the food item for reception by the heat source system, wherein the indication of the current temperature is configured to cause the heat source system to adjust an amount of energy provided by the heat source of the heat source system to the food item when the current temperature associated with the food item is different from a temperature included in the cooking recipe;

iv. insert the indication of the current temperature associated with the food item into a scan response packet; and

v. transmit the scan response packet for reception by the heat source system.

21. The system of Claim 20, wherein the processor is further operable, when executed, to insert the indication of the current temperature associated with the food item into a manufacturer-specific advertising data field of the scan response packet.

22. The system of Claim 20, wherein the processor is further operable, when executed to:
    a. insert an indication of a subsequent current temperature associated with the food item into a subsequent scan response packet, wherein the indication of the subsequent current temperature associated with the food is different than the indication of the current temperature associated with the food; and
    b. transmit the subsequent scan response packet for reception by the heat source system.

23. The system of Claim 20, wherein the processor is further operable, when executed, to transmit, via the first communication link, the indication of the current temperature associated with the food item for reception by the wireless device.

24. The system of Claim 20, wherein the cooking device is a cooking pot, a cooking pan, a cooking tray, or a cooking utensil.

25. The system of Claim 20, wherein the cooking device is a spoon, tongs, a spatula, or a measurement probe.

26. The system of Claim 20, wherein the processor is positioned on or in a handle of the cooking device.

27. The system of Claim 20, further comprising one or more additional sensors coupled to the cooking device and operable to provide a measurement of current additional information associated with the food item, wherein the current additional information comprises the current volume associated with the food item, the current weight associated with the food item, the current moisture associated with the food item, the current liquid level associated with the food item, or the current pressure associated with the food item.

28. The system of Claim 27, wherein the processor is further operable, when executed, to:
    a. insert the indication of the current temperature associated with the food item into a scan response packet;
    b. insert an indication of the current additional information associated with the food item into the scan response packet; and

c. transmit the scan response packet for reception by the heat source system.

29. The system of Claim 27, wherein the processor is further operable, when executed, to transmit, via the first communication link, an indication of the current additional information associated with the food item for reception.