EXAMPLE APP CLAIMS

1. An electronic device, comprising:

a display;

a touch-sensitive surface; and

memory storing one or more programs configured to be executed by the one or more processors, the one or more programs including instructions for:

displaying, on the display, a graphical user interface;

receiving, via the touch-sensitive surface, an input representing a contact with the graphical user interface, the input having an input intensity;

determine whether the input intensity of the input meets or exceeds a first characteristic intensity threshold in response to receiving the input and in accordance with a determination that the electronic device is in a first activity state;

determining whether the input intensity of the input meets or exceeds a second characteristic intensity threshold in response to receiving the input and in accordance with a determination that the electronic device is in a second activity state; and

providing a haptic feedback of a second feedback level higher than the first feedback level in response to receiving the input and in accordance with a determination that the electronic device is in a second activity state.

2. The electronic device of claim 1, wherein graphical user interface includes an affordance, and wherein the input represents a contact with the affordance, the one or more programs further including instructions for:

in accordance with a determination that the input intensity of the input does not meet or exceed the first characteristic intensity threshold, providing a haptic feedback of a third feedback level different from the first feedback level; and

in accordance with a determination that the intensity of the input does not meet or exceed the second characteristic intensity threshold, providing a haptic feedback of a fourth feedback level different form the second feedback level and higher than the third feedback level.

3. The electronic device of claim 1, wherein the determination that the electronic device is in the second activity state is based at least in part on one or more data selected from the group consisting of: accelerometer data, global positioning system data, wireless communication data, heart rate sensor data, and gyroscope data.

4. The electronic device of claim 1, wherein the graphical user interface includes an affordance, and wherein the input represents a contact with the affordance, the one or more programs further including instructions for:

in accordance with a determination that the input intensity of the input meets or exceeds the first characteristic intensity threshold, providing a haptic feedback of a first feedback level; and

5. The electronic device of claim 1, wherein the first feedback level and the second feedback level have different values.

6. A non-transitory computer-readable storage medium storing one or more programs configured to be executed by one or more processors of an electronic device with a display and a touch-sensitive surface, the one or more programs including instructions for:

displaying, on the display, a graphical user interface;

receiving, via the touch-sensitive surface, an input representing a contact with the graphical user interface, the input having an input intensity;

in response to receiving the input and in accordance with a determination that the electronic device is in a first activity state:

determining whether the input intensity of the input meets or exceeds a first characteristic intensity threshold;

in accordance with a determination that the input intensity of the input meets or exceeds the first characteristic intensity threshold, providing a haptic feedback of a first feedback level;

in response to receiving the input and in accordance with a determination that the electronic device is in a second activity state;

determining whether the input intensity of the input meets or exceeds a second characteristic intensity threshold higher than the first characteristic intensity threshold; and

providing a haptic feedback of a second feedback level higher than the first feedback level in response to receiving the input and in accordance with a determination that the electronic device is in a second activity state.

7. The non-transitory computer-readable storage medium of claim 6, wherein the graphical user interface includes an affordance, and wherein the input represents a contact with the affordance, the one or more programs further including instructions for:

in accordance with a determination that the input intensity of the input does not meet or exceed the first characteristic intensity threshold, providing a haptic feedback of a third feedback level different from the first feedback level; and

in accordance with a determination that the intensity of the input does not meet or exceed the second characteristic intensity threshold, providing a haptic feedback of a fourth feedback level different form the second feedback level and higher than the third feedback level.

8. The non-transitory computer-readable storage medium of claim 6, wherein the determination that the electronic device is in the second activity state is based at least in part on one or more data selected from the group consisting of: accelerometer data, global positioning system data, wireless communication data, heart rate sensor data, and gyroscope data.

9. The non-transitory computer-readable storage medium of claim 6, wherein the graphical user interface includes an affordance, and wherein the input represents a contact with the affordance, the one or more programs further including instructions for:

in accordance with a determination that the input intensity of the input meets or exceeds the second characteristic intensity threshold, providing a haptic feedback of a second feedback level higher than the first feedback level.

10. The non-transitory computer-readable storage medium of claim 6, wherein the determination that the electronic device is in the first activity state is based at least in part on one or more data selected from the group consisting of: accelerometer data, global positioning system data, wireless communication data, heart rate sensor data, and gyroscope data.

11. The non-transitory computer-readable storage medium of claim 6, wherein the first activity state and the second activity state are obtained through the same activity function.

12. The non-transitory computer-readable storage medium of claim 6, wherein the first activity state and the second activity state are obtained through different activity functions.

13. The non-transitory computer-readable storage medium of claim 6, wherein the first feedback level and the second feedback level have different values.

14. A method for providing haptic feedback, comprising:

displaying, on the display, a graphical user interface

receiving, via the touch-sensitive surface, an input representing a contact with the graphical user interface, the input having an input intensity;

in response to receiving the input and in accordance with a determination that the electronic device is in a first activity state:

determining whether the input intensity of the input meets or exceeds a first characteristic intensity threshold;

in accordance with a determination that the input intensity of the input meets or exceeds the first characteristic intensity threshold, providing a haptic feedback of a first feedback level;

in response to receiving the input and in accordance with a determination that the electronic device is in a second activity state;

determining whether the input intensity of the input meets or exceeds a second characteristic intensity threshold higher than the first characteristic intensity threshold; and

providing a haptic feedback of a second feedback level higher than the first feedback level in response to receiving the input and in accordance with a determination that the electronic device is in a second activity state.

15. The method of claim 14, further comprising:

in accordance with a determination that the input intensity of the input does not meet or exceed the first characteristic intensity threshold, providing a haptic feedback of a third feedback level different from the first feedback level; and

in accordance with a determination that the intensity of the input does not meet or exceed the second characteristic intensity threshold, providing a haptic feedback of a fourth feedback level different form the second feedback level and higher than the third feedback level.

16. The method of claim 14, wherein the determination that the electronic device is in the second activity state is based at least in part on one or more data selected from the group consisting of: accelerometer data, global positioning system data, wireless communication data, heart rate sensor data, and gyroscope data.

17. The method of claim 14, further comprising:

in accordance with a determination that the input intensity of the input meets or exceeds the second characteristic intensity threshold, providing a haptic feedback of a second feedback level higher than the first feedback level.

18. The method of claim 14, wherein the determination that the electronic device is in the first activity state is based at least in part on one or more data selected from the group consisting of: accelerometer data, global positioning system data, wireless communication data, heart rate sensor data, and gyroscope data.

19. The method of claim 14, wherein the first activity state and the second activity state are obtained through the same activity function.

20. The method of claim 14, wherein the first feedback level and the second feedback level have different values.