CLAIMS

1. An access grant determination device comprising:

a memory; and

at least one processor coupled to the memory and configured to:

transmit a notification of a challenge to a first user device;

determine whether a first user on the first user device accepts or rejects the challenge;

determine whether a request for providing a game is from a user who has lost a previous game in a pre-determined period of time;

provide the request to start the game to the first user on the first user device and to a second user on a second user device when the first user accepts the challenge and when the request for providing the game is not from a user who has lost a previous game in the pre-determined period of time, the first user device having a control of a third device before the providing of the request to start the game;

determine a winner of the game; and

grant the control of the third device from the first user device to the second user device when the second user is determined to be the winner of the game, the control of the third device being released by the first user device in response to the control being granted to the second user device.

2. The access grant determination device of claim 1,

wherein the third device is a television device.

3. The access grant determination device of any one of claims 1-2,

wherein the first user and the second user use a same application for access to the third device.

4. The access grant determination device of any one of claims 1-3,

wherein the at least one processor is further configured to receive a request for providing the game from the second user device.

5. The access grant determination device of any one of claims 1-4,

wherein the game comprises one of a game of tapping a button as fast as possible, or a game of tapping a button as often as possible in a pre-determined period of time, or a game of shaking a user device as fast as possible.

6. The access grant determination device of any one of claims 1-5,

wherein the at least one processor is configured to provide a start signal to the first user and the second user.

7. The access grant determination device of claim 6,

wherein the game comprises a game of tapping as soon as possible after the start signal is received.

8. The access grant determination device of any one of claims 1-7,

wherein the access grant determination device is provided in at least one of the first user device or the second user device.

9. A method for determining access grant, the method comprising:

transmitting a notification of a challenge to a first user device;

determining whether a first user on the first user device accepts or rejects the challenge;

determining whether a request for providing a game is from a user who has lost a previous game in a pre-determined period of time;

providing the request to start the game to the first user on the first user device and to a second user on a second user device when the first user accepts the challenge and when the request for providing the game is not from a user who has lost a previous game in the pre-determined period of time, the first user device having a control of a third device before the providing of the request to start the game;

determining a winner of the game; and

granting the control of the third device from the first user device to the second user device when the second user is determined to be the winner of the game, the control of the third device being released by the first user device in response to the control being granted to the second user device.

10. The method of claim 9, further comprising:

receiving a request for providing the game from the second user device.

11. The method of any one of claims 9-10,

wherein the method is performed in at least one of the first user device or the second user device.