

CLAIMS

1. A method for ticket processing, comprising:
a first step downloading a ticket data to a portable terminal apparatus from a server;
a second step taking the ticket data which is downloaded in a ticket processing application program which is started in the portable terminal apparatus;

a third step in which the portable terminal apparatus displays the image according to the ticket data on a screen based on the ticket processing application program; and

a fourth step in which the portable terminal apparatus detects a predetermined operation on a screen when a movement course of contact position of finger of user is a predetermined pattern decided beforehand and updates a status data indicating use history of the ticket data when the predetermined operation is detected.

2. A method for ticket processing as set forth in claim 1, wherein
the ticket data includes at least one information of a position condition and a time condition for permitting to update the ticket data used status,

the update processing is performed when at least one condition of a first condition that position information of the portable terminal apparatus satisfies the position condition and a second condition that time of the detection of the movement course of contact position satisfies the time condition is satisfied in the fourth step.

3. A method for ticket processing as set forth in claim 2, wherein
when a area to be updated is determined on the screen based on a cutting off position that is determined on the screen beforehand,
the portable terminal apparatus updates the status data and updates the image in the area to be updated from an image before the update processing to an image after update processing which is selected beforehand or selected based on a selection pattern among a plurality of images after update processing.

4. A method for ticket processing as set forth in claim 2, wherein
the portable terminal apparatus downloads a contents data or a coupon data connecting to the ticket data from the server,
and transmits the use history data of the contents data or the coupon data to the server.

5. A method for ticket processing as set forth in claim 4, wherein
the ticket data indicates an available number of times and includes information used for determining whether the ticket data is available or not,

the ticket data updates the status data on the condition when judging the ticket data is available based on the available number of times

after detecting that the movement course of contact position of finger of user matches the predetermined pattern in the screen displayed in the third step.

6. A method for ticket processing as set forth in claim 5, wherein

after the designation of the number of times to be used, the update is performed on the condition that it is judged that the ticket data is available based on the designated number of times and the available number of times in the fourth step.

7. A method for ticket processing as set forth in claim 6, wherein

the update is performed when the movement course of the predetermined pattern exists in the fourth step.

8. A method for ticket processing as set forth in claim 1, wherein

a plurality of patterns are defined as the predetermined pattern, and the image after the update processing is corresponded to each of the plurality of patterns,

the portable terminal apparatus updates the status data and update the image in the area to be updated from the image before the update processing to the image after the update processing corresponding to the predetermined pattern detected on the condition when detecting that the movement course of contact position of finger of user in the area to be updated is the predetermined pattern in the fourth step.

9. A method for ticket processing as set forth in claim 2, wherein

the portable terminal apparatus comprises

a touch panel detecting a coordinate of the contact position in the screen, and

a control circuit identifying input operation based on the coordinate detected in the touch panel and performing a processing according to the input operation which is identified,

when a detection coordinate is defined by a first coordinate and a second coordinate which are detected in the touch panel and which form at right angles each other on two dimensions of the touch panel,

the portable terminal apparatus performs

a first process judging whether or not the detected coordinate exists in the domain which is defined as the area to be updated;

a second process judging whether or not both of the first coordinate and the second coordinate of the detected coordinate has changed when an affirmation judgment is obtained in the first process;

a third process judging whether or not the first coordinate reaches one end region of the direction in which the first coordinate of the touch panel is defined when an affirmation judgment is obtained in the second process;

a fourth process dividing by a predetermined time interval between a first timing when the detected coordinate which an affirmation judgment is obtained first time in the first processing is detected and a second timing when the first coordinate reaches to one end region in the third process, and calculating an amount of change of the detected coordinate in each divided time,

a fifth process judging whether or not an amount of change of all of the time interval divided in the fourth process exceed a predetermined threshold; and

sixth process judging the predetermined operation has detected when affirmation judgment is obtained in the fifth process.

10. A program which is downloaded in a portable terminal apparatus which comprises:
 - a touch panel detecting the coordinate of the contact position in the screen, and
 - a control circuit identifying input operation based on the coordinate detected in the touch panel and performing a processing according to the input operation which is identified, and which makes the control circuit execute
 - a first step downloading a ticket data to a portable terminal apparatus from a server;
 - a second step taking the ticket data which is downloaded in a ticket processing application program which is started in the portable terminal apparatus;
 - a third step in which the portable terminal apparatus displays the image according to the ticket data on a screen based on the ticket processing application program; and
 - a fourth step in which the portable terminal apparatus detects a predetermined operation on a screen when a movement course of contact position of finger of user is a predetermined pattern decided beforehand and updates a status data indicating use history of the ticket data when the predetermined operation is detected.

CLAIMS

1. A method for ticket processing, comprising:
a first step downloading a ticket data to a portable terminal apparatus
from a server;
a second step taking the ticket data which is downloaded in a ticket
processing application program which is started in the portable terminal apparatus;
a third step in which the portable terminal apparatus displays the
image according to the ticket data on a screen based on the ticket processing
application program; and
a fourth step in which the portable terminal apparatus detects a
predetermined operation on a screen when a movement course of contact position of
finger of user is a predetermined pattern decided beforehand and updates a status
data indicating use history of the ticket data when the predetermined operation is
detected.
2. A method for ticket processing as set forth in claim 1,
wherein
the ticket data includes at least one information of a position condition
and a time condition for permitting to update the ticket data used status,
the update processing is performed when at least one condition of a
first condition that position information of the portable terminal apparatus satisfies the
position condition and a second condition that time of the detection of the movement
course of contact position satisfies the time condition is satisfied in the fourth step.
3. A method for ticket processing as set forth in claim 2,
wherein
when a area to be updated is determined on the screen based on a
cutting off position that is determined on the screen beforehand,
the portable terminal apparatus updates the status data and updates
the image in the area to be updated from an image before the update processing to an
image after update processing which is selected beforehand or selected based on a
selection pattern among a plurality of images after update processing.
4. A method for ticket processing as set forth in claim 2,
wherein
the portable terminal apparatus downloads a contents data or a
coupon data connecting to the ticket data from the server,
and transmits the use history data of the contents data or the coupon
data to the server.
5. A method for ticket processing as set forth in claim 4,
wherein
the ticket data indicates an available number of times and includes
information used for determining whether the ticket data is available or not,
the ticket data updates the status data on the condition when judging
the ticket data is available based on the available number of times after detecting that
the movement course of contact position of finger of user matches the predetermined
pattern in the screen displayed in the third step.
6. A method for ticket processing as set forth in claim 5,
wherein
after the designation of the number of times to be used, the update is
performed on the condition that it is judged that the ticket data is available based on
the designated number of times and the available number of times in the fourth step.

7. A method for ticket processing as set forth in claim 6,
wherein
the update is performed when the movement course of the
predetermined pattern exists in the fourth step.

8. A program which is downloaded in a portable terminal apparatus
and which makes a control circuit execute steps comprising:
a first step downloading a ticket data from a server;
a second step taking the ticket data which is downloaded;
a third step displaying the image according to the ticket data on a
screen;
a fourth step updating a status data indicating use history of the ticket
data when detecting a predetermined operation on a screen in case that a movement
course of contact position of finger of user is a predetermined pattern decided
beforehand or detecting a predetermined audio input; and
fifth step transmitting the status data to the server when judging that
communication with the server is available and a predetermined condition is satisfied.