CLAIMS

What is claimed is:

1. A computerized method for generating and tracking activity patterns associated with mobile devices, the method comprising:

   receiving, by a server computing device, location information from a mobile device associated with a user, the location information based on GPS information sent from the mobile device; and

   tracking the location information over a period of time,

   determining an occurrence of repeated activity based on the tracking; and

   generating one or more activity patterns associated with the mobile device, wherein the one or more activity patterns are based on the occurrence of repeated activity

2. The method of claim 1, wherein tracking the location information comprises storing the location information in a storage device upon receiving the information from the mobile device.

3. The method of claim 1, wherein the one or more activity patterns include a travel route, a visited location, a purchase transaction, and a financial portfolio transaction.

4. The method of claim 1, the generating further comprising:

   retrieving personal information associated with the user;

   generating a characteristic of the one or more activity patterns based on the personal information; and

   associating the characteristic with the one or more activity patterns.

5. The method of claim 4, wherein the personal information includes purchase history data, personal interests data, demographic data, social networking data, mobile device usage data, financial portfolio data, or any combination thereof.

6. The method of claim 1, further comprising comparing the one or more activity patterns with a second activity pattern of a second user to determine a match between the one or more activity patterns and the second activity pattern.

7. The method of claim 1, further comprising sending a message indicating the existence of a match between the one or more activity patterns of the user and an activity pattern of a second user.

8. The method of claim 7, wherein the message includes the location of the second user.

9. The method of claim 7, wherein the message is sent to a mobile device application, a web site, an email account, an instant messaging service, or any combination thereof.

10. The method of claim 7, wherein the message is generated based on receipt of a user query.
11. The method of claim 7, wherein the message comprises a graphical representation of the locations of the users in comparison to each other.
12. The method of claim 1, wherein the activity pattern comprises a travel route, further comprising determining a safety index based on crime data associated with locations in geographical proximity to the travel route.
13. The method of claim 12, wherein the crime data includes crime type, crime frequency, crime severity, crime density, or any combination thereof.
14. The method of claim 12, wherein the crime data is based on law enforcement reports, news reports, user-submitted reports, or any combination thereof.
15. The method of claim 12, further comprising displaying the safety index of one or more locations in proximity to the travel route.
16. The method of claim 12, further comprising providing an alternate route to the user, the alternate route having a higher safety index than the travel route.
17. The method of claim 1, wherein the activity pattern comprises a visited location, further comprising generating a purchase history based on transactions performed by the user at the visited location.
18. The method of claim 1, wherein the activity pattern comprises a purchase transaction, further comprising generating a message when the mobile device is in proximity to a location associated with the purchase transaction.
19. The method of claim 18, wherein the message comprises rebate information, discount information, product information, spending information, or any combination thereof.
20. The method of claim 1, wherein the activity pattern comprises a financial portfolio transaction, further comprising generating an alert for one or more securities associated with the financial portfolio transaction and sending the alert to the user.
21. The method of claim 1, wherein the one or more activity patterns are associated with the time of day at which the location information was received.
22. The method of claim 1, wherein receiving location information comprises automatically receiving location information at frequent intervals while the mobile device is active.
23. A system for tracking activity patterns associated with mobile devices, the system comprising:

a server computing device configured to:

receive location information from a mobile device associated with a user, the location information based on GPS information sent from the mobile device;

track the location information over a period of time;

determine an occurrence of repeated activity based on the tracking; and

generate one or more activity patterns associated with the mobile device, wherein the one or more activity patterns are based on the occurrence of repeated activity.

24. A system for tracking activity patterns associated with mobile devices, the system comprising:

means for receiving location information from a mobile device associated with a user, the location information based on GPS information sent from the mobile device; and

means for tracking the location information over a period of time;

means for determining an occurrence of repeated activity based on the tracking; and

means for generating one or more activity patterns associated with the mobile device, wherein the one or more activity patterns are based on the occurrence of repeated activity.

25. A computer program product for tracking activity patterns associated with mobile devices, tangibly embodied in a computer readable storage medium, the computer program product including instructions operable to cause a data processing apparatus to:

receive location information from a mobile device associated with a user, the location information based on GPS information sent from the mobile device; and

track the location information over a period of time;

determine an occurrence of repeated activity based on the tracking; and

generate one or more activity patterns associated with the mobile device, wherein the one or more activity patterns are based on the occurrence of repeated activity.

26. A computerized method for determining location-based real estate valuation comprising:

receiving, by a server computing device, current location information from a mobile device, the location information including global positioning data associated with the mobile device and photographic data associated with one or more photos taken by the mobile device and associated with the location;

determining, by the server, a street address based on the location information by processing the photographic data in association with the global positioning data, wherein the photographic data is used to determine the street address;

retrieving financial data associated with the street address.

27. The method of claim 26, further comprising generating a real estate valuation based on the financial data.

28. The method of claim 27, further comprising comparing the real estate valuation with valuations of similar properties to generate a relative comparison value.

29. The method of claim 26, wherein the financial data includes a sales price, an assessed tax amount, an appraisal value, an owner identification, or any combination thereof.

30. The method of claim 26, wherein processing the photographic data further comprises determining the compass direction of the photographic data.

31. The method of claim 26, wherein processing the photographic data further comprises identifying text contained within the photographic data.

32. The method of claim 26, further comprising transmitting the real estate valuation to a remote device.

33. The method of claim 26, further comprising retrieving a financial portfolio associated with an owner of the real estate.

34. The method of claim 26, further comprising receiving photographic data associated with one or more neighboring locations when the current location is destroyed, the photographic data used to determine the street address of the destroyed location.

35. The method of claim 26, further comprising receiving photographic data associated with one or more locations, the photographic data used to generate a list of properties associated with the one or more locations.

36. The method of claim 35, wherein the list of properties is filtered according to criteria identified by a user of the mobile device.

37. The method of claim 26, wherein the photographic data is taken by a device that is separate from the mobile device; and wherein the photographic data is transmitted to the mobile device via a communications link.

38. A system for determining location-based real estate valuation comprising:

a server computing device configured to:

receive current location information from a mobile device, the location information including global positioning data associated with the mobile device and photographic data associated with one or more photos taken by the mobile device and associated with the location;

determine a street address based on the location information by processing the photographic data in association with the global positioning data, wherein the photographic data is used to determine the street address; and

retrieve financial data associated with the street address.

39. A system for determining location-based real estate valuation comprising:

means for receiving current location information from a mobile device, the location information including global positioning data associated with the mobile device and photographic data associated with one or more photos taken by the mobile device and associated with the location;

means for determining a street address based on the location information by processing the photographic data in association with the global positioning data, wherein the photographic data is used to determine the street address; and

means for retrieving financial data associated with the street address.

40. A computer program product, tangibly embodied in a computer readable storage medium, the computer program product including instructions operable to cause a data processing apparatus to:

receive current location information from a mobile device, the location information including global positioning data associated with the mobile device and photographic data associated with one or more photos taken by the mobile device and associated with the location;

determine a street address based on the location information by processing the photographic data in association with the global positioning data, wherein the photographic data is used to determine the street address; and

retrieve financial data associated with the street address.

CLAIMS

1. A computerized method for generating and tracking activity patterns associated with mobile devices, the method comprising:

automatically capturing, by an application executing on a mobile device, a plurality of location information entries associated with a first user, each of the location information entries annotated to include GPS information and timestamp information recorded by a GPS receiver embedded within the mobile device;

receiving, by a server computing device, the plurality of location information entries from the mobile device via a mobile communications network;

tracking, by the server computing device, the location information entries over a period of time;

grouping, by the server computing device, the tracked location information entries to determine an occurrence of repeated activity of the first user, the grouping based on GPS information and timestamp information common to two or more of the tracked location information entries;

generating, by the server computing device, one or more activity patterns of the first user, wherein the one or more activity patterns are based on the occurrence of repeated activity;

generating, by the server computing device, augmented activity patterns of the first user using transaction data associated with the first user that corresponds to one or more of the activity patterns of the first user, the transaction data being assigned to the activity pattern based upon a similarity between the GPS information and timestamp information for one or more tracked location information entries of the

corresponding activity pattern and a location and timestamp associated with one or more transactions in the transaction data;

comparing, by the server computing device, the one or more activity patterns of the first user with activity patterns of each of one or more other users in proximity to the first user to determine a match between the first user's activity patterns and the activity patterns of each of the other users, wherein the match is based on a degree of similarity between the first user's activity patterns and the activity patterns of each of the other users and is weighted to emphasize characteristics selected by the first user; and

generating, by the server computing device, a graphical representation of the location of the other users in relation to the location of the mobile device and a textual indication of a characteristic common to the matched activity patterns for display on the mobile device.

2. The method of claim 1, wherein tracking the location information entries comprises storing the location information entries in a storage device upon receiving the entries from the mobile device.

3. The method of claim 1, wherein the one or more activity patterns include a travel route, a visited location, a purchase transaction, and a financial portfolio transaction.

4. The method of claim 1, wherein the personal information includes purchase history data, personal interests data, demographic data, social networking data, mobile device usage data, financial portfolio data, or any combination thereof.

5. The method of claim 1, wherein the message is sent to a mobile device application, a web site, an email account, an instant messaging service, or any combination thereof.

6. The method of claim 1, wherein the message is generated based on receipt of a user query.

7. The method of claim 1, wherein the activity pattern comprises a travel route, further comprising determining a safety index based on crime data associated with locations in geographical proximity to the travel route.

8. The method of claim 7, wherein the crime data includes crime type, crime frequency, crime severity, crime density, or any combination thereof.

9. The method of claim 7, wherein the crime data is based on law enforcement reports, news reports, user-submitted reports, or any combination thereof.

10. The method of claim 7, further comprising displaying the safety index of one or more locations in proximity to the travel route.

11. The method of claim 7, further comprising providing an alternate route to the user, the alternate route having a higher safety index than the travel route.

12. The method of claim 1, wherein the activity pattern comprises a visited location, further comprising generating a purchase history based on transactions performed by the user at the visited location.

13. The method of claim 1, wherein the activity pattern comprises a purchase transaction, further comprising generating a message when the mobile device is in proximity to a location associated with the purchase transaction.

14. The method of claim 13, wherein the message comprises rebate information, discount information, product information, spending information, or any combination thereof.

15. The method of claim 1, wherein the activity pattern comprises a financial portfolio transaction, further comprising generating an alert for one or more securities associated with the financial portfolio transaction and sending the alert to the user.

16. The method of claim 1, wherein the one or more activity patterns are associated with the time of day at which the location information entries are received.

17. The method of claim 1, wherein receiving location information entries comprises automatically receiving the location information entries at frequent intervals while the mobile device is active.

18. A system for tracking activity patterns associated with mobile devices, the system comprising a mobile device and a server computing device configured to:

automatically capture, by an application executing on the mobile device, a plurality of location information entries associated with a first user, each of the location information entries annotated to include GPS information and timestamp information recorded by a GPS receiver embedded within the mobile device;

receive, by the server computing device, the plurality of location information entries from the mobile device via a mobile communications network;

track, by the server computing device, the location information entries over a period of time;

group, by the server computing device, the tracked location information entries to determine an occurrence of repeated activity of the first user, the grouping based on GPS information and timestamp information common to two or more of the tracked location information entries;

generate one or more activity patterns of the first user, wherein the one or more activity patterns are based on the occurrence of repeated activity;

generate, by the server computing device, augmented activity patterns of the first user using transaction data associated with the first user that corresponds to one or more of the activity patterns of the first user, the transaction data being assigned

to the activity pattern based upon a similarity between the GPS information and timestamp information for one or more tracked location information entries of the corresponding activity pattern and a location and timestamp associated with one or more transactions in the transaction data;

compare, by the server computing device, the one or more activity patterns of the first user with activity patterns of each of one or more other users in proximity to the first user to determine a match between the first user's activity patterns and the activity patterns of each of the other users, wherein the match is based on a degree of similarity between the first user's activity patterns and the activity patterns of each of the other users and is weighted to emphasize characteristics selected by the first user; and

generate, by the server computing device, a graphical representation of the location of the other users in relation to the location of the mobile device and a textual indication of a characteristic common to the matched activity patterns for display on the mobile device.

19. A system for tracking activity patterns associated with mobile devices, the system comprising:

means for automatically capturing a plurality of location information entries associated with a first user, each of the location information entries annotated to include GPS information and timestamp information recorded by a GPS receiver embedded within the mobile device;

means for receiving the plurality of location information entries from the mobile device via a mobile communications network;

means for tracking the location information entries over a period of time;

means for grouping the tracked location information entries to determine an occurrence of repeated activity of the first user, the grouping based on GPS information and timestamp information common to two or more of the tracked location information entries;

means for generating one or more activity patterns of the first user, wherein the one or more activity patterns are based on the occurrence of repeated activity;

means for generating augmented activity patterns of the first user using transaction data associated with the first user that corresponds to one or more of the activity patterns of the first user, the transaction data being assigned to the activity pattern based upon a similarity between the GPS information and timestamp information for one or more tracked location information entries of the corresponding activity pattern and a location and timestamp associated with one or more transactions in the transaction data;

means for comparing the one or more activity patterns of the first user with activity patterns of each of one or more other users in proximity to the first user to determine a match between the first user's activity patterns and the activity patterns of each of the other users, wherein the match is based on a degree of similarity between the first user's activity patterns and the activity patterns of each of the other users and is weighted to emphasize characteristics selected by the first user; and

means for generating a graphical representation of the location of the other users in relation to the location of the mobile device and a textual indication of a characteristic common to the matched activity patterns for display on the mobile device.

20. A computer program product for tracking activity patterns associated with mobile devices, tangibly embodied in a computer readable storage medium, the computer program product including instructions operable to cause a data processing apparatus to:

automatically capture a plurality of location information entries associated with a first user, each of the location information entries annotated to include GPS information and timestamp information recorded by a GPS receiver embedded within the mobile device;

receive the plurality of location information entries from the mobile device via a mobile communications network;

track the location information entries over a period of time;

group the tracked location information entries to determine an occurrence of repeated activity of the first user, the grouping based on GPS information and timestamp information common to two or more of the tracked location information entries;

generate one or more activity patterns of the first user, wherein the one or more activity patterns are based on the occurrence of repeated activity;

generating augmented activity patterns of the first user using transaction data associated with the first user that corresponds to one or more of the activity patterns of the first user, the transaction data being assigned to the activity pattern based upon a

similarity between the GPS information and timestamp information for one or more tracked location information entries of the corresponding activity pattern and a location and timestamp associated with one or more transactions in the transaction data;

comparing the one or more activity patterns of the first user with activity patterns of each of one or more other users in proximity to the first user to determine a match between the first user's activity patterns and the activity patterns of each of the other users, wherein the match is based on a degree of similarity between the first user's activity patterns and the activity patterns of each of the other users and is weighted to emphasize characteristics selected by the first user; and

generating a graphical representation of the location of the other users in relation to the location of the mobile device and a textual indication of a characteristic common to the matched activity patterns for display on the mobile device.