

What is claimed is:

1. A self-assignment system for providing delivery offers for use with a user interface, comprising:
  - one or more memory devices storing instructions; and
  - one or more processors configured to execute the instructions to perform operations comprising:
    - receiving, from a mobile device, a request for one or more delivery tasks, an available time frame for performing the one or more delivery tasks, and a geographical area for performing the one or more delivery tasks;
    - accessing a database storing delivery tasks, each delivery task associated with a status of fully assigned, partially assigned, or not assigned, the status being based on a comparison of:
      - a number of workers assigned to the task, and
      - a number of workers necessary to complete the task;
    - determining which of the stored delivery tasks needing assignment have a delivery route in the received geographical area;
    - determining one or more delivery offers by filtering the determined delivery tasks within the received available time frame;
    - selecting one or more delivery offers if a status of each determined delivery offers is equal to partially assigned or not assigned; and
    - responding to the received request by transmitting the one or more selected delivery offers to the mobile device.

2. The self-assignment system of claim 1, wherein at least one of the selected delivery offers includes one or more delivery tasks to one or more of neighboring destinations.
3. The self-assignment system of claim 1, wherein the operations further comprise receiving from the mobile device the available time frame for performing the delivery tasks as a slide bar representation in a user interface of the mobile device.
4. The self-assignment system of claim 1, wherein the operations further comprise providing, for presentation via the mobile device, a user interface that includes selectable interface elements respectively corresponding to the one or more determined delivery offers, each of the determined delivery offers including one or more delivery locations, a number of packages, a time frame for the delivery, a time requirement for accepting the delivery offer, an amount of monetary compensation to be earned per package delivered, a transportation method of each of the determined delivery offers, or a location of each of the determined delivery offers on a map.
5. The self-assignment system of claim 1, wherein the operations further comprise:
  - providing, for presentation via the mobile device, a first user interface that includes selectable interface elements for filtering delivery offers by criteria including one or more of a date for performing the delivery, a number of packages, or one or more locations associated with each delivery offer; and
  - in response to selection of one of the selectable interface elements for filtering via the user interface of the mobile device, providing, for presentation to the user via the mobile device, a second user interface that includes one or more of the filtered delivery offers.
6. The self-assignment system of claim 1, wherein the operations further comprise receiving login credentials from the mobile device and verifying the login credentials before proceeding to process the request for delivery tasks.

7. The self-assignment system of claim 1, wherein the operations further comprise:
  - receiving, from the mobile device, acceptance of one or more of the transmitted delivery offers;
  - marking each accepted offer as fully assigned or partially assigned in the database; and
  - providing, for presentation via the mobile device, a user interface that includes a confirmation of accepted delivery offers and a link to a communication channel for further communication with the mobile device.
8. The self-assignment system of claim 7, wherein the operations further comprise:
  - receiving a request to cancel one or more previously accepted delivery offers from the mobile device;
  - responding to the received request by transmitting a cancellation confirmation to the mobile device when the request is received before a defined cancellation deadline;
  - decreasing the number of delivery workers assigned to the cancelled delivery offers;
  - adjusting the status of the cancelled delivery offers to partially assigned or not assigned based on the number of delivery workers assigned to the cancelled delivery offers; and
  - storing the adjusted status of the cancelled delivery offers in the database.
9. The self-assignment system of claim 7, wherein marking each accepted offer further comprises:
  - increasing the number of delivery workers assigned to the accepted delivery offers;

adjusting the status of the accepted delivery offers to fully assigned or partially assigned based on the number of delivery workers assigned to the delivery offer; and  
storing the adjusted status of the accepted delivery offers in the database;

10. A computer-implemented self-assignment method for providing delivery offers for use with a user interface, comprising:
  - receiving, from a mobile device, a request for one or more delivery tasks, an available time frame for performing the one or more delivery tasks, and a geographical area for performing the one or more delivery tasks;
  - accessing a database storing delivery tasks, each delivery task associated with a status of fully assigned, partially assigned, or not assigned, the status being based on a comparison of:
    - a number of workers assigned to the task, and
    - a number of workers necessary to complete the task;
  - determining which of the stored delivery tasks, from the database, needing assignment have a delivery route in the received geographical area;
  - determining one or more delivery offers by filtering the determined delivery tasks within the received available time frame; and
  - selecting one or more delivery offers if a status of each determined delivery offers is equal to partially assigned or not assigned; and
  - responding to the received request by transmitting one or more of the selected delivery offers to the mobile device.
11. The method of claim 10, further comprising composing at least one of the selected delivery offers includes one or more delivery tasks to one or more neighboring destinations.
12. The method of claim 10, further comprising receiving from the mobile device the available time frame for performing delivery tasks as a slide bar representation in a user interface of the mobile device.

13. The method of claim 10, further comprising providing, for presentation via the mobile device, a user interface that includes selectable interface elements respectively corresponding to the one or more determined delivery offers, each of the determined delivery offers including one or more delivery locations, a number of packages, a time frame for the delivery, a time requirement for accepting the delivery offer, an amount of monetary compensation to be earned per package delivered, a transportation method of each of the determined delivery offers, or a location of each of the determined delivery offers on a map.
14. The method of claim 10, further comprising:
  - providing, for presentation via the mobile device, a first user interface that includes selectable interface elements for filtering delivery offers by criteria including one or more of a date for performing the delivery, a number of packages, or one or more locations associated with each delivery offer; and
  - in response to selection of one of the selectable interface elements for filtering via the user interface of the mobile device, providing, for presentation to the user via the mobile device, a second user interface that includes one or more of the filtered delivery offers.
15. The method of claim 10, further comprising receiving login credentials from the mobile device and verifying the login credentials before proceeding to process the request for delivery tasks.
16. The method of claim 10, further comprising:
  - receiving from the mobile device, acceptance of one or more of the transmitted delivery offers;
  - marking each accepted offer as fully assigned or partially assigned in the database; and
  - providing, for presentation via the mobile device, a user interface that includes a confirmation of accepted delivery offers and a link to

a communication channel for further communication with the mobile device.

17. The method of claim 16, further comprising:
  - receiving a request to cancel one or more previously accepted delivery offers from the mobile device;
  - responding to the received request by transmitting a cancellation confirmation to the mobile device when the request is received before a defined cancellation deadline;
  - decreasing the number of delivery workers assigned to the cancelled delivery offers ;
  - adjusting the status of the cancelled delivery offers to partially assigned, if the decreased number of delivery workers assigned to the cancelled delivery offers is greater than zero, or not assigned, if the decreased number of delivery workers assigned to the cancelled delivery offers is equal to zero; and
  - storing the adjusted status of the cancelled delivery offers in the database.
18. The method of claim 16, wherein the marking offers further comprise:
  - increasing the number of delivery workers assigned to the accepted delivery offers ;
  - adjusting the status of the accepted delivery offers to fully assigned, if the increased number of delivery workers assigned to the accepted delivery offers is equal to the number of delivery workers required to complete delivery offer, or partially assigned, if the increased number of delivery workers assigned to the accepted offers is less than the number of delivery workers required to complete delivery offer; and
  - storing the adjusted status of the accepted delivery offers in the database.
19. A system comprising:
  - a mobile device comprising:

a network interface;  
one or more memory devices storing instructions; and  
one or more processors configured to execute the instructions to  
perform operations comprising:

transmitting a request via the network interface for  
one or more delivery tasks, an available  
time frame for the one or more delivery  
tasks, and a geographical area for the one  
or more delivery tasks to a self-assignment  
system; and

receiving one or more delivery offers from the self-  
assignment system.

a self-assignment system, comprising:

one or more memory devices storing instructions; and  
one or more processors configured to execute the instructions to  
perform operations comprising:

receiving, from a mobile device of the system, a  
request for one or more delivery tasks, an  
available time frame for the one or more  
delivery tasks, and a geographical area for  
the one or more delivery tasks;

accessing a database storing delivery tasks, each  
delivery task associated with a status of  
fully assigned, partially assigned, or not  
assigned, the status being based on a  
comparison of:

a number of workers assigned to the task,  
and

a number of workers necessary to complete  
the task;

determining which of the stored delivery tasks  
needing assignment have a delivery route in  
the received geographical area;

determining one or more delivery offers by filtering the determined delivery tasks within the received available time frame;  
selecting one or more delivery offers if a status of each determined delivery offers is equal to partially assigned or not assigned; and  
transmitting the one or more selected delivery offers to the mobile device.

20. The system of claim 19, further comprising:

wherein the instructions of the mobile device further cause the processors of the mobile device to perform operations comprising:

transmitting acceptance of the one or more received delivery offers;

receiving a user interface from the self-assignment system;

composing a user interface including a schedule ; and

displaying the user interface including the schedule ; and

wherein the instructions of the self-assignment system further cause the processors of the self-assignment system to perform operations comprising:

receiving, from the mobile device, the acceptance of one or more delivery offers;

increasing the number of delivery workers assigned to the accepted delivery offers by one;

adjusting the status of the accepted delivery offers to fully assigned, if the increased number of delivery workers assigned to the accepted delivery offers equals the number of delivery workers required to complete offer, or partially assigned, if the increased number of delivery workers assigned to the accepted offers is less than the number of delivery workers required to complete offer;

storing the adjusted status of the accepted delivery offers in the database; and

providing, for presentation via the mobile device, a user interface that includes a confirmation of accepted delivery offers and a link to a communication channel for further communication with the mobile device.