

ABSTRACT

Disclosed embodiments provide systems and methods related to automatically assigning temporary delivery workers to a delivery task. A method for automatically assigning temporary delivery workers to a delivery task comprises receiving a request to determine delivery tasks for temporary delivery workers from a user device, retrieving delivery tasks needing assignments from a database, each delivery task associated with a delivery location and a volume of parcels, and determining a number of permanent delivery workers needed based on a volume of parcels associated with each delivery task. The method further comprises retrieving permanent delivery workers and temporary delivery workers needing assignments from the database, each delivery worker associated with a feasible volume of delivery parcels, assigning the retrieved permanent delivery workers to the retrieved delivery tasks, assigning the retrieved temporary delivery workers to the retrieved delivery tasks needing assignments after the permanent delivery worker assignments.