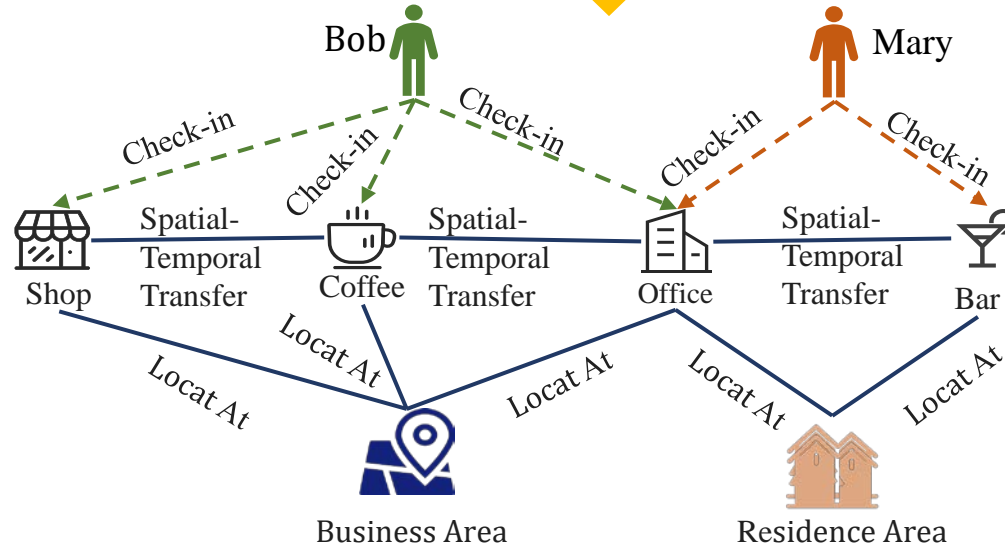


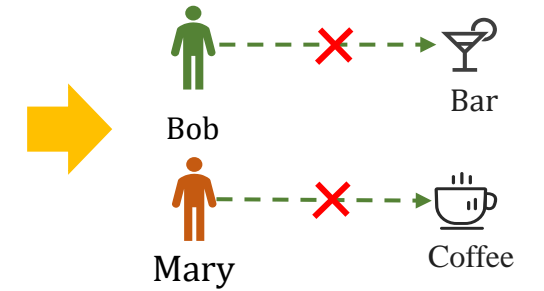


At time  $T_1$ , Bob went to the store. After a certain amount of time  $\Delta t_1$ , John went to a coffee shop located  $\Delta d_1$  distance away from the store at time  $T_2$ . Then, after another period of time  $\Delta t_2$ , John visited an office building located  $\Delta d_2$  distance away from the coffee shop at time  $T_3$ . At time  $T_4$ , Mary also visited the office building. After a time interval  $\Delta t_3$ , Mary went to a bar located  $\Delta d_3$  distance away from the office building at time  $T_5$ .

(a) Trajectory described by the text



(b) Spatial-temporal knowledge graph



(c) POIs that the user is not interested in