|  |  |
| --- | --- |
| ­­­­Name | ID |
| عز الدين أحمد صابر محمد | 20200325 |
| مصطفى عمر محمد | 20200542 |
| أحمد هاني إبراهيم | 20200054 |
| عبد الرحمن رمضان ابو العلا ابو العلا جغل | 20200284 |

**nursing agent**

**phase #2**

* The assumption of heuristic values and path costs between each node were designated to guide the agent through the process of choosing its path along the way from the initial state to the goal state and through other factors that will be mentioned below:  
  + Delivery time: The heuristic function can estimate the amount of time it takes for the agent to deliver the medicine
  + Priority of the delivery: The heuristic function can assign a higher value to the delivery of urgent medicines compared to non-urgent ones.
* The A\* star algorithm was applied to the new updated graph here on page 3: <https://www.canva.com/design/DAFhgwEs-W0/cgHPO1EoPHoYUvmETWcrvg/edit>
* Multiple paths (with different initial and goal states) were shown through arrows and inside the nodes are the states they represent.