# Challenge 1
## 7th of May 2024

Autonomous Software Agents

A.A. 2023-2024

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# Requirements for the participation

- Each group can participate with a software agent able to
  - Sense the Deliveroo.js environment
  - Do Belief revision
  - Do Intention Revision
  - Use any algorithm for path finding (no planning)
- The game
  - Collect packages and deliver them into the delivery zone
  - Each package will have a timer
  - The points assigned for each delivered package correspond to the value of the timer at the time of delivery
  - The maps will not be provided in advance

# Organization of the challenge

- The challenge is organized as the qualifying for Formula 1 (a sort of)
  - Q1, Q2 and Q3
  - For each Q, there will be 3 matches with different configuration of environment (all maps, provided just before the matches, will have different level of difficulty)
  - In Q1, all teams (N) will participate simultaneously: the best 10 move on to Q2. The best 5 drivers from Q2 proceed to Q3. The results of Q3 determine the result of the challenge
  - The points awarded to teams in each match correspond to the inverse of the ranking formed by counting the points each team has acquired in the match. The team that finishes first receives N points while the team that finishes last receives 1 point, the team that comes second receives N-1 points, and so on.
  - At the end of the Q, the acquired points will be summed up and a ranking will be formed to proceed to the next Q or to determine the winner in the Q3.
  - Each Q will take approximal 30 minutes (hopefully)

# IMPORTANT

- To participate the group **must register** by the **5th of May**
- Here the form for the registration:
  https://forms.gle/rDym5DyZDFDBGQat9
- The challenge will take place on the **7th of May**