**Take-Home Exam**

*Deadline: Tuesday, 01st July 2025*

**PROBLEM SCOPE**

Choose one of the following projects:

1. Dispatch Monitor System
   * Develop an intelligent monitoring system for a commercial kitchen’s dispatch area.
   * Using the provided video and dataset [*https://drive.google.com/drive/folders/1Ji4RVZveHcBkLngfgH0eexLIWiUp2c78?usp=drive\_link*](https://drive.google.com/drive/folders/1Ji4RVZveHcBkLngfgH0eexLIWiUp2c78?usp=drive_link)
   * Build a complete solution capable of tracking items within the dispatch area.
   * The system should also include functionality to improve model performance based on user feedback.
2. Pizza Sales Counting System
   * Develop an intelligent monitor system for counting pizza sales.
   * Using the provided videos [*https://drive.google.com/drive/folders/19QSILvBetBvcXyHjR85DahatiHOQSp\_A?usp=drive\_link*](https://drive.google.com/drive/folders/19QSILvBetBvcXyHjR85DahatiHOQSp_A?usp=drive_link)
   * Build a complete solution to count the total number of pizzas sold over a given period.
   * The system should be capable of refining model accuracy based on user feedback.

**Requirements**

* Use Docker compose for system deployment.
* Provide a `README` file with clear installation and usage instructions.
* Upload all source code and trained models to `GitHub`.
* Submit the GitHub repository link via email to the following recipients:
  + [m@eatlab.space](mailto:m@eatlab.space)
  + [ceo-office@eatlab.space](mailto:ceo-office@eatlab.space)
  + [ai01@eatlab.space](mailto:ai01@eatlab.space)
  + [b@eatlab.space](mailto:b@eatlab.space)