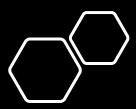
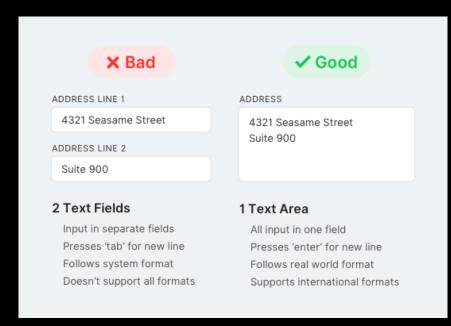
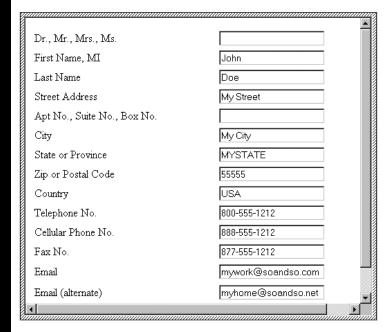
ADDRESS CLASSIFICATION

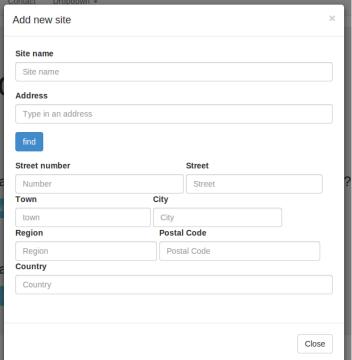
Trần Tuấn Anh



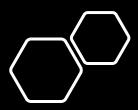
1. PROBLEM DEFINITION: Address representation







Clarity of information



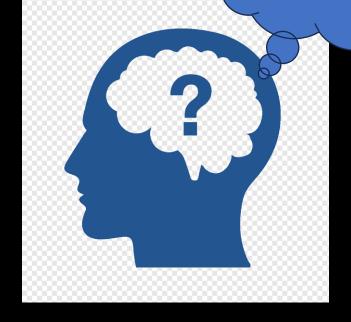
1. PROBLEM DEFINITION: Human Reading and representation





1. PROBLEM DEFINITION: Human & Machine Interaction

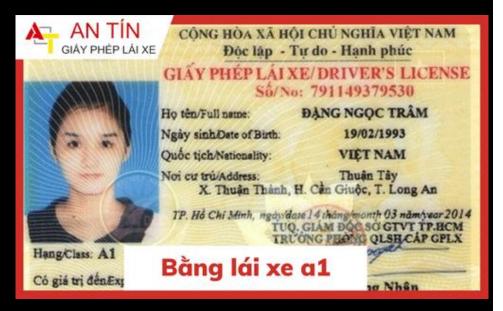
All processes are correct?







1. PROBLEM DEFINITION: Input vs Output



OCR:

X. Thuận Thành, H. Cần Giuộc, T. Long An Thuận Thanh, HCần Giuộc, Tlong An Thuận Thành, H Cần Giuộc T. Long An X Thuận Thành H. Cần Giuộc, Long An X ThuanThanh H. Can Giuoc, Long An

•••••



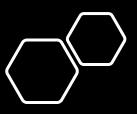
Address classification:

Xã: Thuận Thành

Huyện: Cần Giuộc

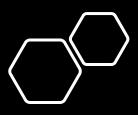
Tinh: Long An

Example



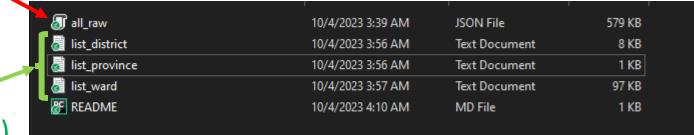
1. PROBLEM DEFINITION: Input vs Output

```
all_raw.json → X
Schema: <No Schema Selected>
           "ground truth": "Xã Thinh Sơn H. Đô dương T. Nghê An",
                 "pred_no_correct": "Xã Thịnh Sơn H., Đô dương T. Nghệ An",
                 "pred and correct": "Xa Ininn Son, Do Lương, I. Nghệ An",
                 "address info": {
                  "province": "Nghệ An",
                                                                                 Output
                   "district": "Đô Lương",
                   "ward": "Thinh Sơn"
                 "ground truth": "X.Hoi Thượng - Đống Hỷ - Thái 2012",
                 "pred_no_correct": "X.Hoi Thượng - Đống Hỷ- Thái 20yêN",
                 "pred_and_correct": "X.Hóa Thượng",
                 "address_info": {
                  "province": "Thái Nguyên",
                  "district": "Đồng Hỷ",
     19 😨
                  "ward": "Hóa Thượng"
                 "ground_truth": "Tổ 73 - Hoàng Cầu - 1 Chợ Xu - Đống Đa - Hà Ni",
                 "pred no correct": "Tổ 73 - Hoàng Cầu -TP.1 C Xm Đông Đa - Hà Ni",
                 "pred_and_correct": "Tổ 73-Hoàng Cầu-TP.1 C Xm, Đống Đa, Hà Nội",
                 "address info": {
                  "province": "Hà Nội",
                  "district": "Đống Đa",
                   "ward": ""
```

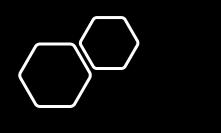


2. DEVELOPMENT & TESTING

Development provided: 1000 samples



Testing provided (private)



3. REQUIREMENTS

General:

- Submit all source code and related data.
- Readme (how to run): The Readme file should be detailed and easily understood.
- The source code will be run on a unique machine without internet.
- Any copy or cheating will get 0 for the whole course.

For the exercise:

- Maximum time for 1 request ≤0.1 s
- Average time for 1 request: ≤0.01 s
- Duration: 3 weeks (a part of private data will be released 3-4 days before the deadline
- Support 01 free test.
- Do not apply a machine learning approach, just algorithms.
- Score= 80% private test + 20% public test

