

Designing "Top to Bottom"

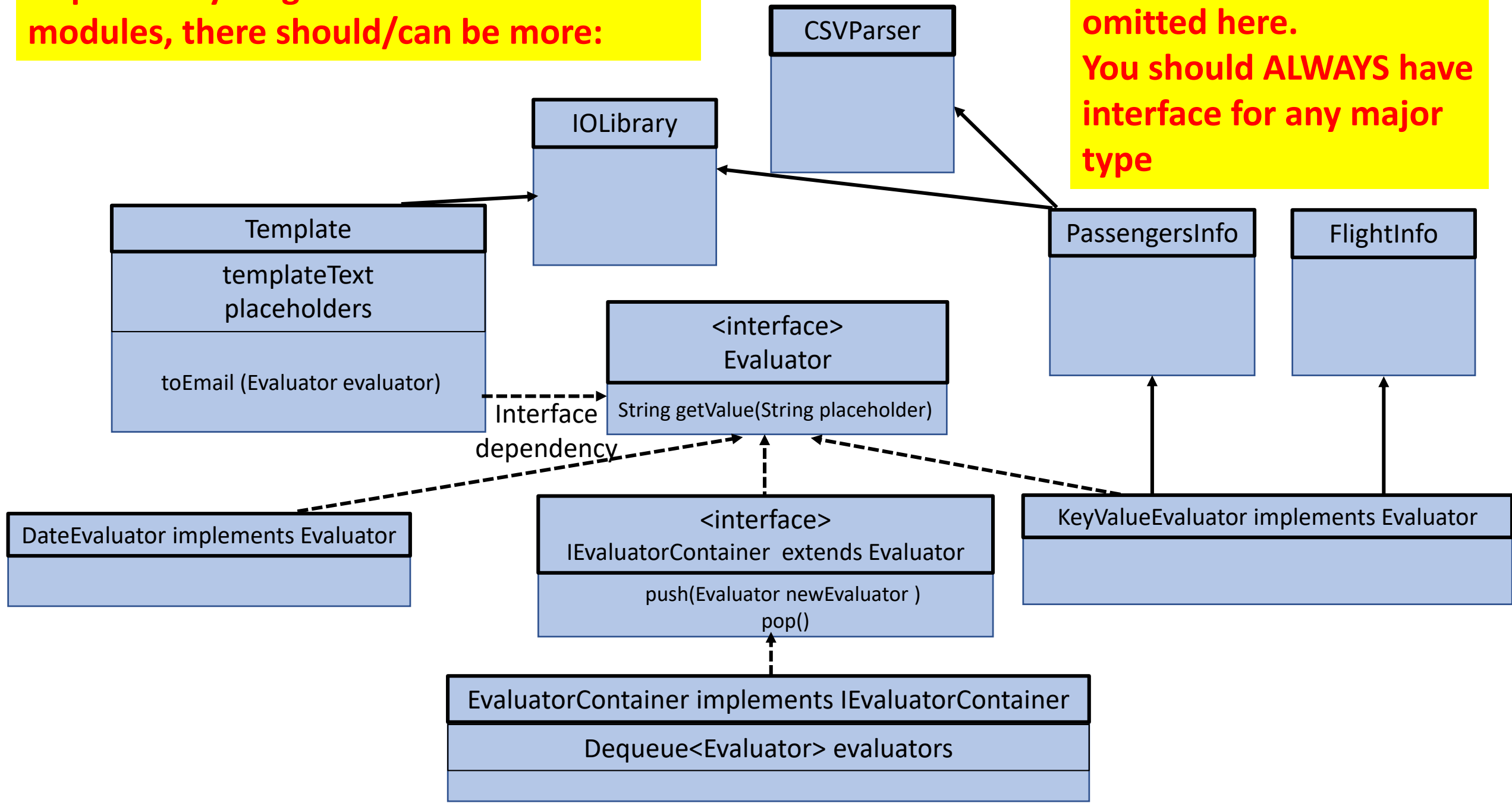
Assignment 3

This is ONLY a suggestion/ one of possible designs

Maria Zontak

Dependency diagram between MAJOR modules, there should/can be more:

Some interfaces were omitted here.
You should ALWAYS have interface for any major type



Very partial code:

... **//many things like command line arguments handling happened before**

```
Template emailTemplate = new Template(template_filename);
PassengersInfo passInfo = new PassengerInfo(csv_filename);
```

```
IEvaluatorContainer ec = new EvaluatorContainer(); //will contain all sources of info
ec.push(new DateEvaluator());
ec.push(new KeyValueEvaluator(SOURCE_CITY_PLACEHOLDER, FlightInfo.getSourceCity()));
ec.push(new KeyValueEvaluator(DESTIN_CITY_PLACEHOLDER, FlightInfo.getDestinationCity()));
ec.push(new KeyValueEvaluator(EVENT_PLACEHOLDER, FlightInfo.getEvent()));
```

```
List<String> headers = passInfo.getHeaders();
while( passInfo.hasNextPassenger()) {
    ec.push(new KeyValueEvaluator(headers, passInfo.nextPassenger()));
    Email newEmail = emailTemplate.toEmail(ec);
    ec.pop(); //remove evaluator that was added last
    // send/save your newEmail
    ...
}
```