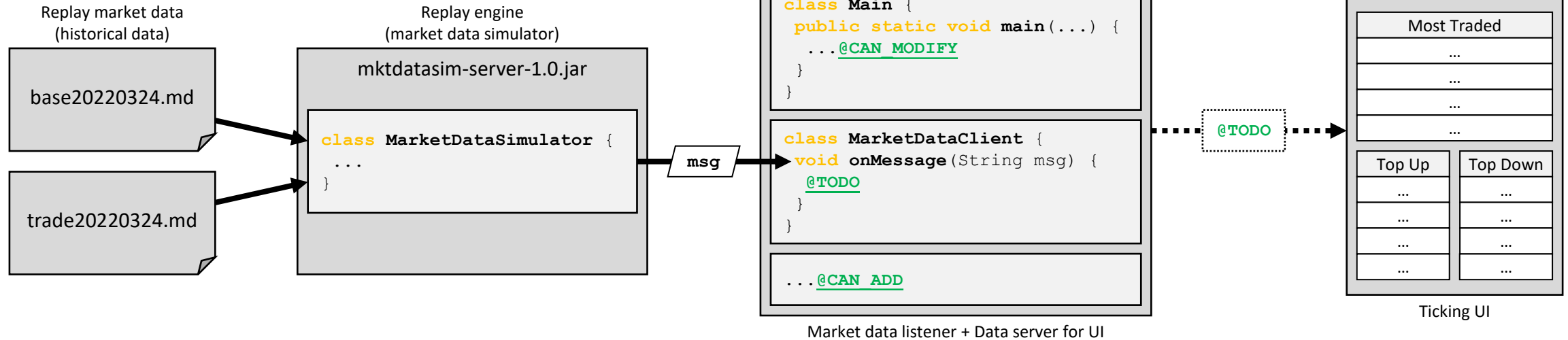


Provided – Do not modify

Skeleton Provided (back-end only) – To be developed / modified by candidate



**msg** format: `seqNb:msgType:msgBody`, where:

- **seqNb** (int): The sequence number of the message. 2 consecutive messages have consecutive (i and i+1) sequence numbers, so a message with a larger sequence number is more recent than a message with a smaller sequence number
- **msgType** (char): The type of the message. Messages of 2 messages types are sent:
  - **msgType='B'**: base price message
  - **msgType='T'**: trade (execution) message
- **msgBody** (string: comma separated values): number of values, order of values and type of values depend on the message type:
  - **msgType='B': "ticker,basePrice"** where:
    - **ticker** is the 4 digits TSE stock ticker. For instance: "7203" for Toyota Motors
    - **basePrice** is the reference price to be used for the day. Essentially, the previous close adjusted for corporate actions. For instance: "657.50"
  - **msgType='T': "ticker,timeOfDay,price,cumulVolume,vwap,closeFlag"** where:
    - **ticker** is the 4 digits TSE stock ticker. For instance: "7203" for Toyota Motors
    - **timeOfDay** is the time of the trade, format: "HH:mm:ss.SSSSSSSS". For instance: "10:14:03.324500316"
    - **price** is the price at which the trade was executed. For instance: "657.50"
    - **cumulVolume** is the cumulated volume (nb of shares) at the time of the trade, including the trade. For instance: "325122"
    - **vwap** is the vwap as of the time of the trade (cumulValue / cumulVolume where cumulValue would be the cumulated value). For instance: "651.1259"
    - **closeFlag** indicates whether this is a closing-auction trade (closeFlag="1") or not (closeFlag="0")