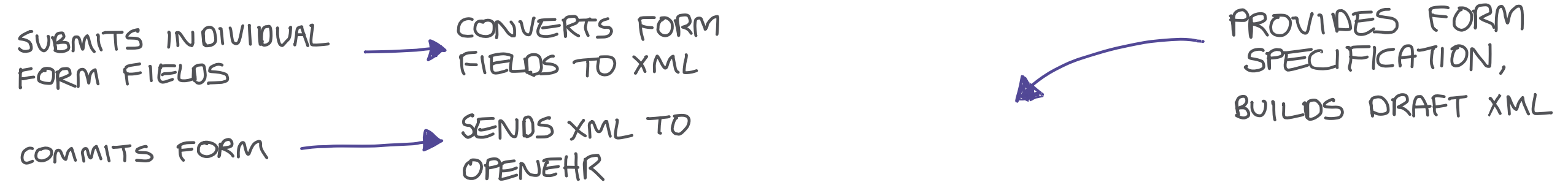
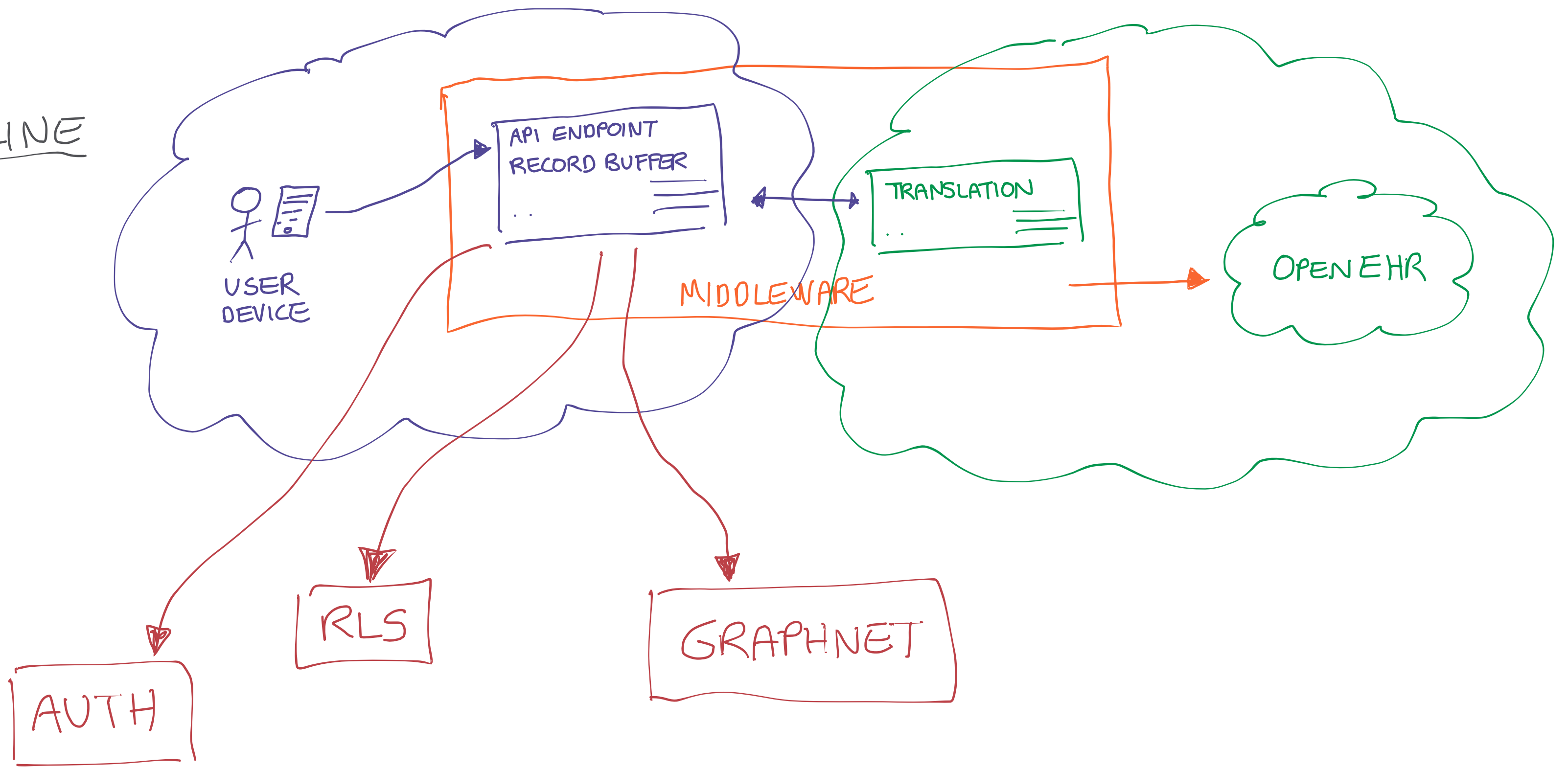


OUTLINE



PROCESS

USER DEVICE

REQUESTS NEW FORM

BUILDS FORM HTML

```
<FORM
  DATA-SUBMISSION-ID = '...'
  DATA-SUBMISSION-TYPE = 'STREAMING' >
```

```
<INPUT TYPE = 'TEXT'
  NAME = 'NAME'
  DATA-STATUS = ''
  DATA-SUBTYPE = '...' >
<INPUT TYPE = 'NUMBER'
  NAME = 'AGE'
  DATA-STATUS = ''
  DATA-SUBTYPE = '...' >
<INPUT TYPE = 'SUBMIT' >
```

</FORM>

JAVASCRIPT LIBRARY ADDS AN ONCHANGE () HANDLER TO EACH <INPUT> ELEMENT, WHICH;

- SETS DATA-STATUS TO 'PENDING'
- MAKES AN API REQUEST TO THE MIDDLEWARE, SENDING
 - DATA-SUBMISSION-ID
 - FIELD NAME
 - FIELD VALUE
 - FIELD SUBTYPE

CAN BE STYLED WITH CSS

TRANSLATES THAT FIELD TO ITS REPRESENTATION IN THE FULL DOCUMENT

STORES THE TRANSLATED DATA AGAINST THE SUBMISSION ID

RETURNS 200

CALLBACK FUNCTION SETS DATA-STATUS TO "SENT"

USER CLICKS SUBMIT BUTTON
- JAVASCRIPT LIBRARY CHECKS THAT DATA-STATUS == 'SENT' FOR ALL FIELDS IN THE FORM

- MAKES "SUBMIT" API CALL TO MIDDLEWARE

- DATA-SUBMISSION-ID

SUBMITS THE COMPLETE DOCUMENT TO THE SERVER

COMMITTS THE FOR

ACCEPTS THE DOCUMENT

INVALIDATES THE SUBMISSION ID

PREVENTS THE FORM FROM BEING SUBMITTED AGAIN