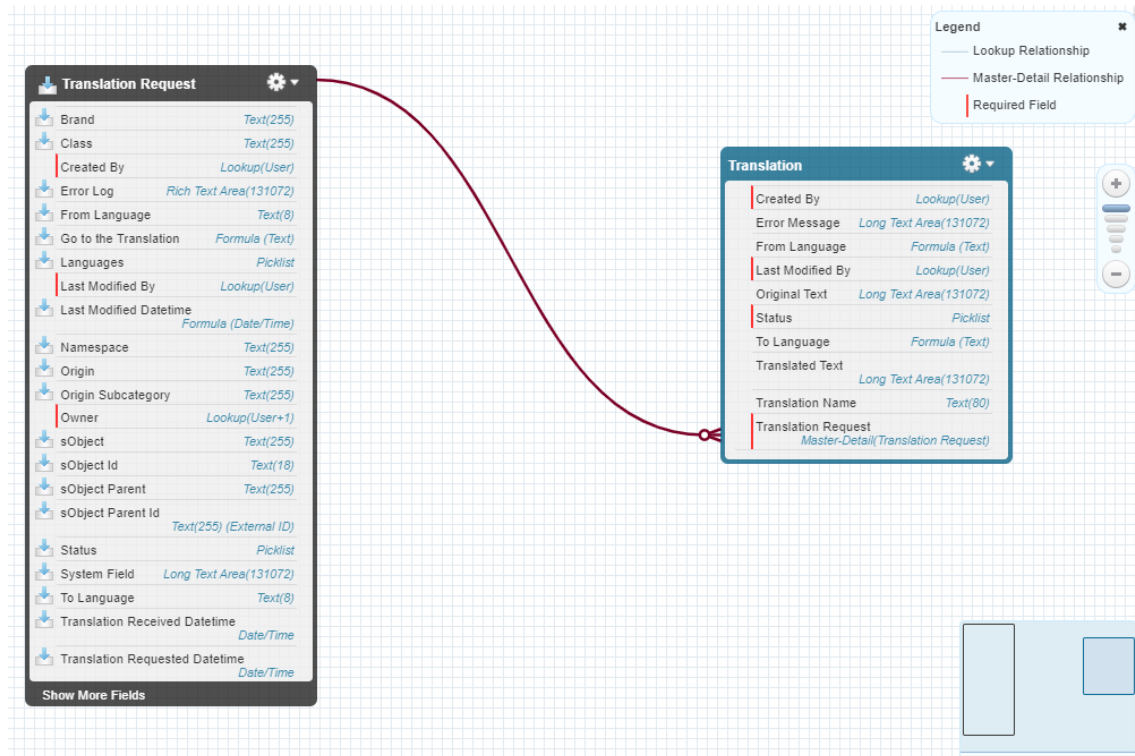# Application Technical Scope

Unbabel challenge

Data Model

The main two objects of the application are: *Translation Request* and *Translation*. *Translation* is the detail side of a Master-Detail Relationship with the *Translation Request* object. It is so because it is strongly linked with the master side object: there is no point of having a translation without having a request for it and it does not need to have different sharing permissions than the *Translation Request* object.

Technical Scope

Unbabel Challenge App it is the default app for the System Admin and Standard User profiles. It has the *Ticket Translation* lightning web component (LWC) that is the main application for requesting and checking translations.

Once a translation is submitted a record of the object *Translation Request* and *Translation* is created. At some point, the translation will be placed in the *Translation__c.Translated_Text__c* field if no errors occur or a *Request error* status will be shown.

In the back-end, the *TranslationRequest* class will check if the translation is supported before requesting it. The *AppTranslationHandler* class will then be responsible for updating the *Translated Text* field when the response from the API arrives and it is successful.

This same API response will update the *Status* field of the *Translation Request* object, which will trigger an update on the *Status* field of the related *Translation* via Process Builder. This last *Translation__c.Status__c* update will then trigger a *Push Topic* from the *Streaming API*, which will update the table.

Use cases

The user type a text on the *Text to translate* field and then select a language from the picklist below. Clicking in the submit button will update the table with the new request and show the status and eventually the translated text if no errors occur.

The user might try to translate a language to the original language, which will show an error.

The user might also request an unsupported translation, which will also display an error.