

Task (Backend)

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Translating strings

One of our PHP apps has a large audience of non-native English speakers. So we want to add functionality to easily switch between different languages depending on what the end user speaks. We have already translated our app into one language, and have language files for English and French.

Our language files are in JSON format like the following:

languages/english.json

```
{
  "HEADER": "Welcome to our app!",
  "SUBMIT_BUTTON": "Submit",
  "NEXT_BUTTON": "Next",
  "FORM_INTRO": "Please fill in this form"
}
```

languages/french.json

```
{
  "HEADER": "Bienvenue sur notre application!",
  "SUBMIT_BUTTON": "Soumettre",
  "NEXT_BUTTON": "Prochain",
  "FORM_INTRO": "Remplissez ce formulaire s'il vous plaît"
}
```

We need you to write some code that will:

- Read in a language file
- Have a reusable component (e.g. a class or a function) that when given a language key string (e.g. "FORM_INTRO") will return the correct string for the language (e.g. "Remplissez ce formulaire s'il vous plaît")

Bonus Extension Question

For International Talk Like a Pirate Day, we want to translate the English version of our app into Pirate. However our Pirate translator has only given us half of the translation strings. Extend your code so that if a translation key isn't found in the loaded language it will fall back to the English version of the string.

languages/pirate.json

```
{
  "HEADER": "Ahoy!",
  "FORM_INTRO": "Fill in ye form, or get the black spot!"
}
```