

## HELP for Angular exercise D-translate

### Review the jQuery example

- Open the jQuery example in [useful/translate/jquery](#).
- Clicking on each Spanish phrase hides/reveals the associated English phrase.

### Define how the components fit together

- The main component will define **an array of objects** for the English/Spanish phrases:

```
this.phrases = [  
  { es : "¿Tienes?", en:"Do you have" },  
  { es : "¿Dónde está", en:"Where is" },  
  { es : "Yo necesito", en:"I need" },  
  { es : "la cuenta", en:"the bill" }  
]
```

- The main template will use an **ngFor iterator** to create a phrase component for each object.

```
<app-phrase [phrase]="p" *ngFor="let p of phrases">
```

- Each phrase is passed as an **input** into the phrase component.

### Phrase components

- Each English/Spanish phrase will be a component.
- Its **view/template** will contain:

```
<section class="panel">  
  <p class="panel-es">¿Tienes?</p>  
  <p class="panel-en">Do you have</p>  
</section>
```

- It will define an **input** for the phrase that is passed in.

```
@Input() phrase;
```

- The Input phrase will contain an object like:

```
{ es : "¿Tienes?", en:"Do you have" }
```

- In the phrase component, create a method that toggles a boolean variable.

```
toggle() {  
  this.show = !this.show;  
}
```

- Connect this method to a click event in the template.

```
(click)="toggle()"
```

- Use an **ngClass** directive to add/remove a `.reveal` CSS class based on the value of boolean variable `show`:

```
[ngClass]="{'reveal':show}"
```

### ***Build the project***

- Create a new Angular project.

```
ng new translate  
cd translate  
ng serve --open  
// localhost:4200
```

- Copy and rename **useful/translate/styles/phrase-book.css** to become **src/app/app.component.css**.
- TIP: the phrase component can share the styles of its parent:

```
styleUrls: ['./app.component.css']
```

- To use a Google web font, define a global stylesheet `src/styles.css` that contains:

```
@import url(https://fonts.googleapis.com/css?family=Oswald);
```