

Checkout Form Dependent Fields



Dependent Fields

Credit Card

Card Type

Name on Card

Card Number

Security Code

Expiration Month

TO DO

Expiration Year

TO DO

Populate Months

Populate Years

Fields should be dependent

**The values of month
should depend
on the year**

Dependent Fields

- Values for month should depend on the year
- If the current year is selected
 - Then only show the remaining months for the year
 - Start at current month to 12
- If a future year is selected
 - Then show months: 1 - 12

Development Process

Step-By-Step

1. Update HTML template
 1. For the Expiration Years drop-down list
 2. Add event binding for change event
2. Update checkout component, add event handler
 1. Read the selected year
 2. Update the list of months based on selected year

Step 1: Update HTML template for event binding

File: checkout.component.html

```
<div class="col-md-2"> <label>Expiration Year</label></div>

<div class="input-space">
  <select formControlName="expirationYear" (change)="handleMonthsAndYears()">
    <option *ngFor="let year of creditCardYears">
      {{ year }}
    </option>
  </select>
</div>
```

For change event
call method
handleMonthsAndYears()

Step 2: Update checkout component, add event handler

File: checkout.component.ts

```
handleMonthsAndYears() {  
  
    const creditCardFormGroup = this.checkoutFormGroup.get('creditCard');  
  
    const currentYear: number = new Date().getFullYear();  
    const selectedYear: number = Number(creditCardFormGroup.value.expirationYear);  
  
    // if the current year equals the selected year, then start with current month  
  
    let startMonth: number;  
  
    if (currentYear === selectedYear) {  
        startMonth = new Date().getMonth() + 1;  
    }  
    else {  
        startMonth = 1;  
    }  
  
    this.luv2ShopFormService.getCreditCardMonths(startMonth).subscribe(  
        data => {  
            console.log("Retrieved credit card months: " + JSON.stringify(data));  
            this.creditCardMonths = data;  
        }  
    );  
}
```

Read the selected year from the form

Get the current month

Get the credit card months