Checkout Form
Dependent Fields

Dependent Fields

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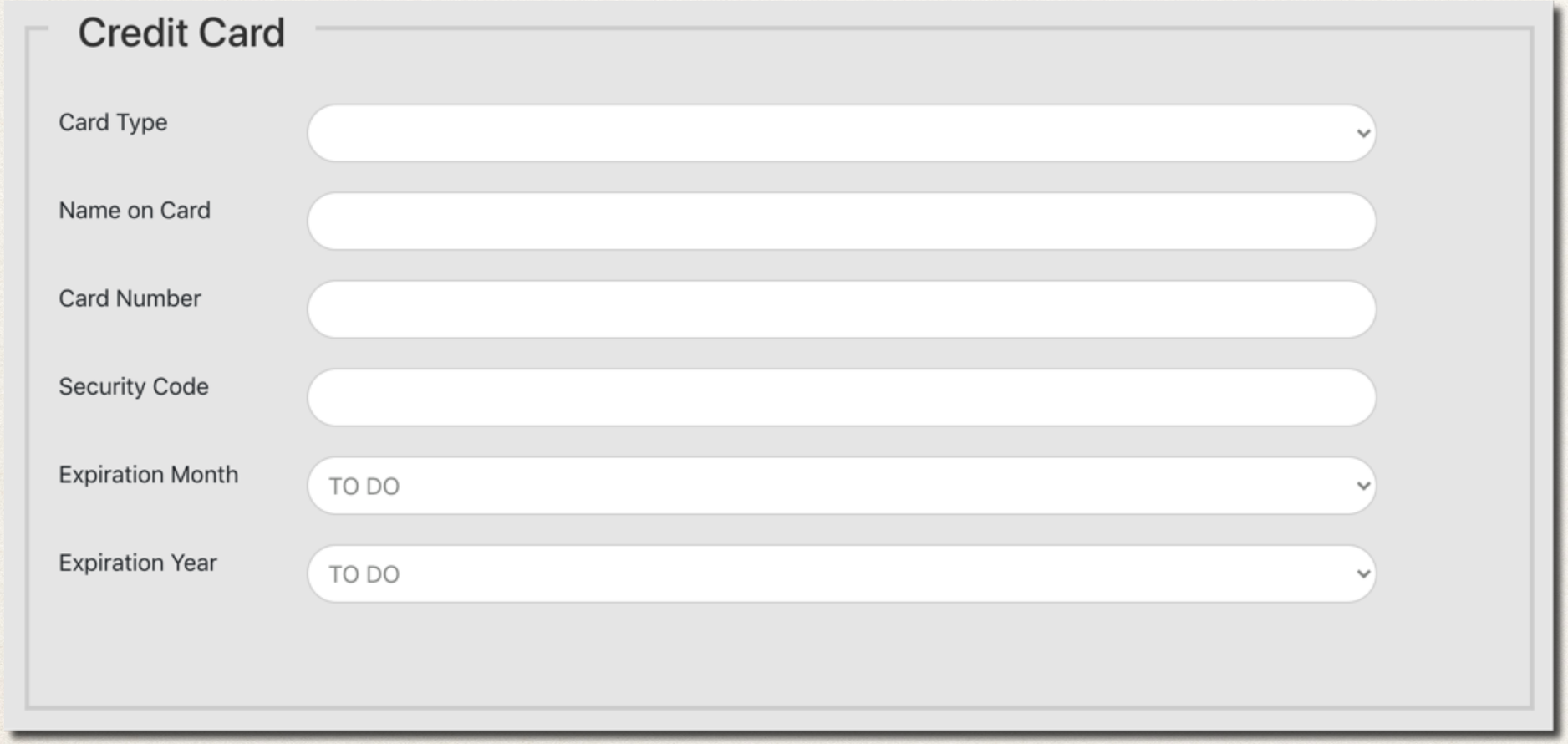
Dependent Fields



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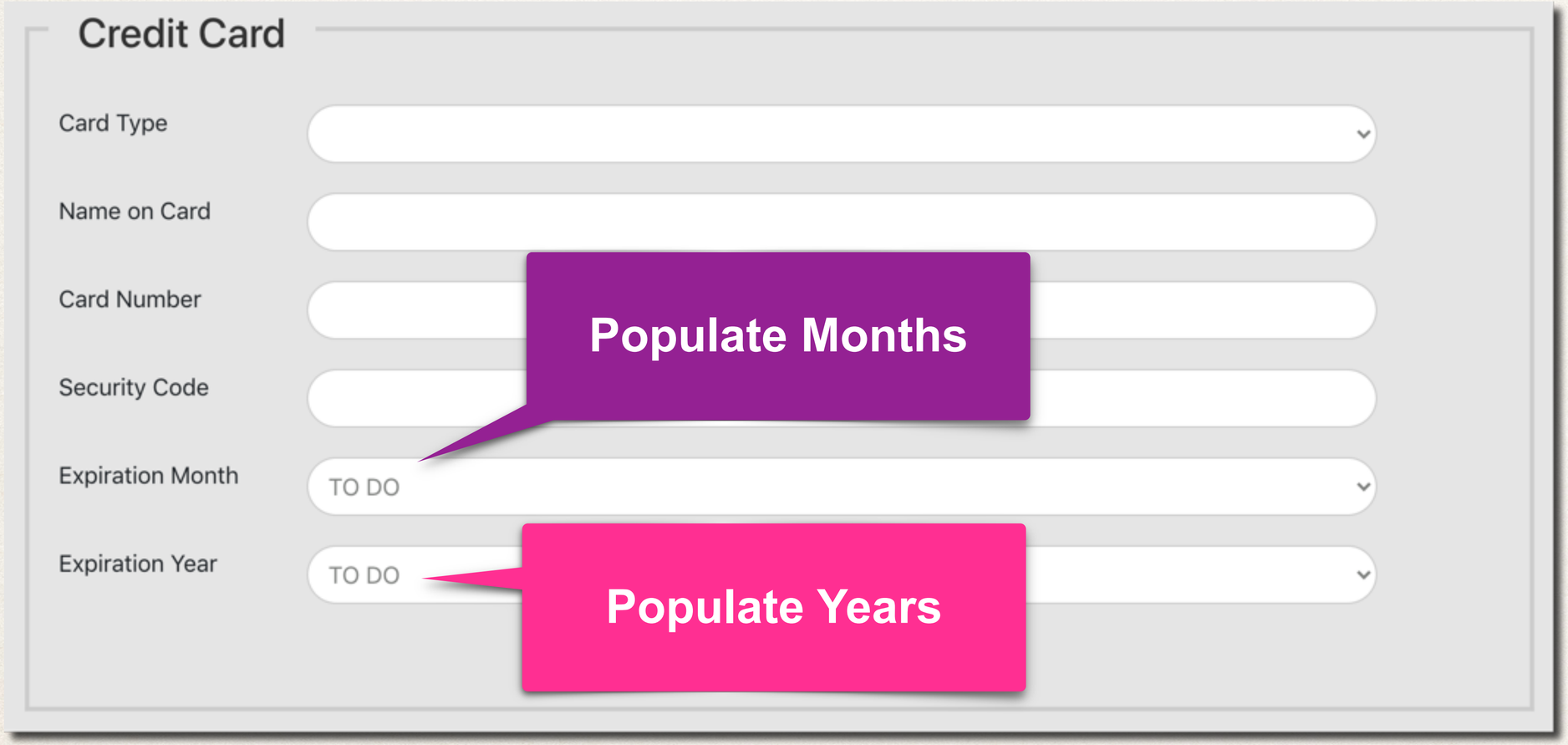
Dependent Fields



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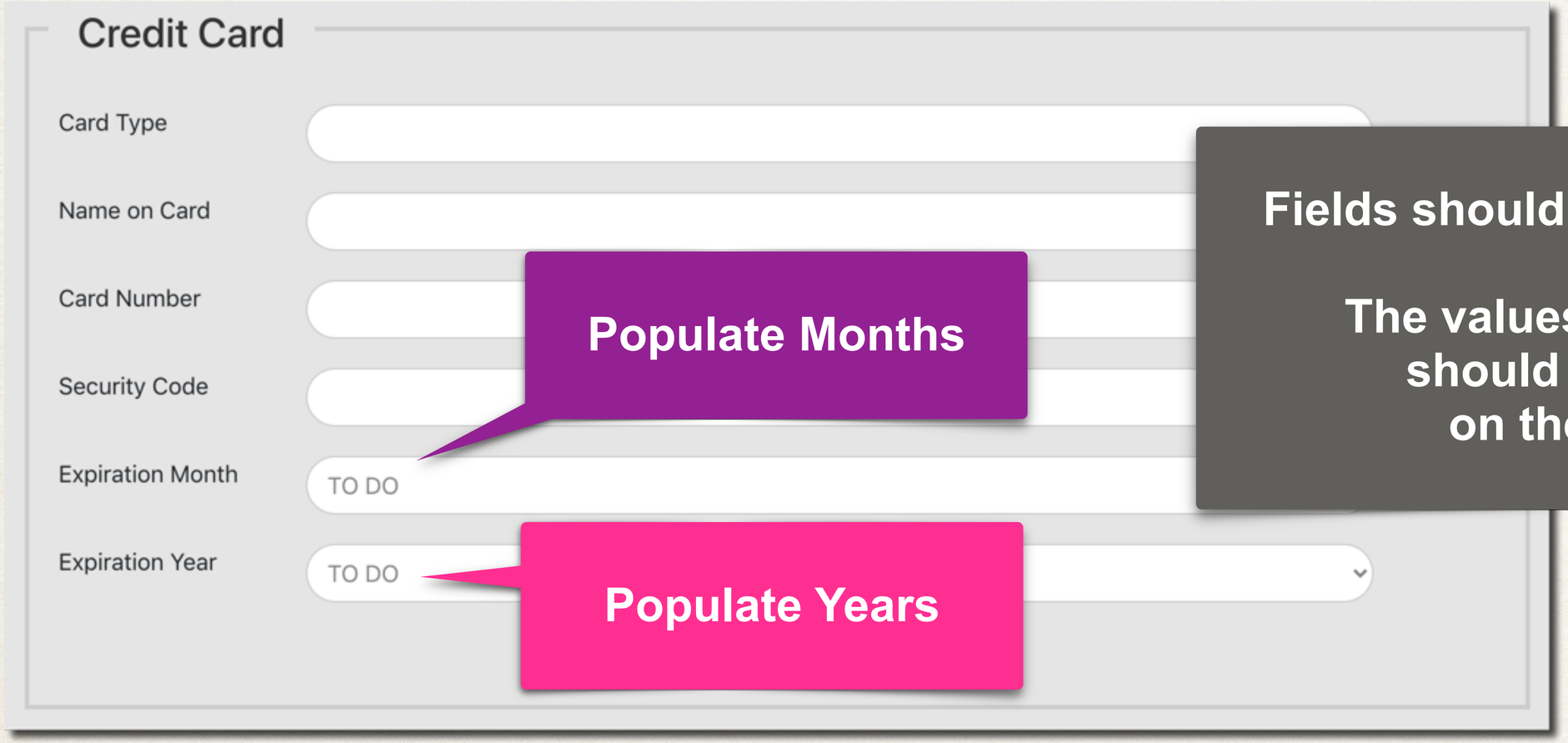
Dependent Fields



Fields should be dependent

The values of month should depend on the year

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Dependent Fields

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Dependent Fields

- Values for month should depend on the year

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Dependent Fields

- Values for month should depend on the year

- If the current year is selected

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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

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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

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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

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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

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Development Process

Step-By-Step

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Development Process

Step-By-Step

1. Update HTML template

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Development Process

Step-By-Step

1. Update HTML template
    1. For the Expiration Years drop-down list

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Development Process

Step-By-Step

1. Update HTML template
    1. For the Expiration Years drop-down list
    2. Add event binding for change event

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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

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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

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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

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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

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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>
```


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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()`

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Step 2: Update checkout component, add event handler

File: checkout.component.ts

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Step 2: Update checkout component, add event handler

File: checkout.component.ts

```
handleMonthsAndYears() {
```


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Step 2: Update checkout component, add event handler

File: checkout.component.ts

```
handleMonthsAndYears() {

  const creditCardFormGroup = this.checkoutFormGroup.get('creditCard');
```


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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);
```

Read the selected year from the form

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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
```

Read the selected year from the form

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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;
  }
```

Read the selected year from the form

Get the current month

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Step 2: Update checkout component, add event handler

File: checkout.component.ts

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handleMonthsAndYears() {

  const creditCardFormGroup = this.checkoutFormGroup.get('creditCard');

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  }
  else {
    startMonth = 1;
  }
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Read the selected year from the form

Get the current month

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Step 2: Update checkout component, add event handler

File: checkout.component.ts

```
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  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

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