**Cmpe 496 Cheap Shop HW2 Report**

* In this project I implement and design a user interface of a e commerce site cheap shop.
* In this interface there are two interfaces one for entering purchaser information and a catalog item. The other is for additional catalog items.

**Scenario**

* Mehmet want to buy a some pencils. He heard about cheap shop which is a recent startup. He wants to try it.
* Mehmet enters the cheap shop’s site and selects some pencils from the catalog. He writes the id of the items so that he can buy them in the buying form.
* He decides that he wants to buy 3 black pencil and 2 red pencils. He enters his address and personal information to the form. Then he enters the information for black pencil.
* Then he clicks next item button to bring second form. He enters red pencil’s information there.
* Then he clicks trigger invoice to pay for the pencils. He sees that he entered his credit card wrong. He corrects it and buys the pencil. Overall, he is happy with the site but the user interface could be more interactive.

**Api Considerations**

**& Implementation Details**

* I used vue and bootstrap to implement the user interface.
* This interface’s api can get the form data. In vue, it is binded to an object that I named “form”. In this way we can process the data user entered.
* In this application we can add validation, both on the client side and server side.
* This interface’s api would need a for loop to use the card for all the items one by one.

**Code**

<template>

  <div id="app">

    <b-container class="cheapShopForm">

      <b-row>

        <b-col cols="9" align-h="start" class="p-0 title">

          <p class="whiteText">Cheap Shop Catalog Store</p>

        </b-col>

        <b-col cols="1" class="p-0">

          <b-button variant="light" class="m-0 borderRadiusZero">\_</b-button>

        </b-col>

        <b-col cols="1" class="p-0">

          <b-button variant="light" class="m-0 borderRadiusZero">□</b-button>

        </b-col>

        <b-col cols="1" class="p-0">

          <b-button variant="light" class="m-0 borderRadiusZero">x</b-button>

        </b-col>

      </b-row>

      <b-row v-if="!hidePurchase">

        <b-col>

          <p class="thickBig">Purchaser</p>

        </b-col>

      </b-row>

      <b-row v-if="!hidePurchase" class="border-3">

        <b-col>

          <b-row>

            <b-col>

              <b-form-group id="input-group-13" label="Name: " label-for="input-1">

                <b-form-input id="input-1" v-model="form.name" required></b-form-input>

              </b-form-group>

            </b-col>

            <b-col>

              <b-form-group id="input-group-12" label="Phone: " label-for="input-2"></b-form-group>

              <b-form-input id="input-2" v-model="form.phone" required></b-form-input>

            </b-col>

          </b-row>

          <b-row>

            <b-col>

              <b-form-group id="input-group-11" label="Postal Code: " label-for="input-3"></b-form-group>

              <b-form-input id="input-3" v-model="form.postalCode" required></b-form-input>

            </b-col>

            <b-col>

              <b-form-group id="input-group-10" label="Province: " label-for="input-4"></b-form-group>

              <b-form-input id="input-4" v-model="form.province" required></b-form-input>

            </b-col>

            <b-col>

              <b-form-group id="input-group-9" label="City: " label-for="input-5">

                <b-form-input id="input-5" v-model="form.city" required></b-form-input>

              </b-form-group>

            </b-col>

          </b-row>

          <b-row>

            <b-col>

              <b-form-group id="input-group-8" label="Delivery Address: " label-for="input-9">

                <b-form-input id="input-9" v-model="form.deliveryAddress" required></b-form-input>

              </b-form-group>

            </b-col>

          </b-row>

          <b-row>

            <b-col>

              <b-form-group id="input-group-7" label="Today's Date: " label-for="input-7">

                <b-form-input id="input-7" v-model="form.todaysDate" required type="date"></b-form-input>

              </b-form-group>

            </b-col>

            <b-col></b-col>

          </b-row>

          <b-row>

            <b-col>

              <b-form-group id="input-group-7" label="Credit Card No: " label-for="input-8">

                <b-form-input id="input-8" v-model="form.creditCardNo" required></b-form-input>

              </b-form-group>

            </b-col>

            <b-col>

              <b-form-group

                id="input-group-6"

                label="for dept use: validation id: "

                label-for="input-15"

              >

                <b-form-input class="small" id="input-15" v-model="form.validationId" required></b-form-input>

              </b-form-group>

            </b-col>

          </b-row>

        </b-col>

      </b-row>

      <b-row>

        <b-col>

          <p class="thickBig">Catalog Item</p>

        </b-col>

      </b-row>

      <b-row class="border-3 mt-1">

        <b-col>

          <b-form-group id="input-group-4" label="Number: " label-for="input-10">

            <b-form-input id="input-10" v-model="form.number" required></b-form-input>

          </b-form-group>

        </b-col>

        <b-col>

          <b-form-group id="input-group-3" label="Quantity: " label-for="input-11">

            <b-form-input id="input-11" v-model="form.quantity" required type="number"></b-form-input>

          </b-form-group>

        </b-col>

        <b-col>

          <b-form-group id="input-group-5" label="Cost/Item: " label-for="input-12">

            <b-form-input id="input-12" v-model="form.costPerItem" required></b-form-input>

          </b-form-group>

        </b-col>

        <b-col>

          <b-form-group id="input-group-2" label="Total: " label-for="input-13">

            <b-form-input id="input-13" v-model="form.total" required></b-form-input>

          </b-form-group>

        </b-col>

      </b-row>

      <b-row class="mt-1 border-3" align-v="center">

        <b-col>

          <b-form-group id="input-group-1" label-for="input-14" label="Balance Owing: ">

            <b-form-input id="input-14" v-model="form.balanceOwing" required></b-form-input>

          </b-form-group>

        </b-col>

        <b-col>

          <b-row>

            <b-col>

              <b-button @click="hidePurc">Next Catalog Item (PF5)</b-button>

            </b-col>

          </b-row>

          <b-row class="mt-1">

            <b-col>

              <b-button>Trigger Invoice (PF8)</b-button>

            </b-col>

          </b-row>

        </b-col>

      </b-row>

    </b-container>

  </div>

</template>

<script>

export default {

  name: "App",

  components: {},

  data: function() {

    return {

      form: {

        name: "",

        phone: "",

        postalCode: "",

        province: "",

        city: "",

        deliveryAddress: "",

        todaysDate: "",

        creditCardNo: "",

        validationId: "",

        number: "",

        quantity: "",

        costPerItem: "",

        total: "",

        balanceOwing: ""

      },

      hidePurchase: false

    };

  },

  methods: {

    hidePurc() {

      this.hidePurchase = true;

    }

  }

};

</script>

<style>

#app {

  font-family: Avenir, Helvetica, Arial, sans-serif;

  -webkit-font-smoothing: antialiased;

  -moz-osx-font-smoothing: grayscale;

  color: #2c3e50;

  margin-top: 60px;

  max-width: 30rem;

  max-height: 30rem;

}

body {

  display: flex;

  justify-content: center;

  align-items: center;

}

.title {

  background-color: black;

}

.borderRadiusZero {

  border-radius: 0px !important;

}

.whiteText {

  color: white;

}

.cheapShopForm {

  background-color: #a8a7a8;

  border: 3px solid black;

}

label {

  color: white;

}

.border-3 {

  border: 3px solid black !important;

}

.thickBig {

  font-size: 2rem;

  color: black;

  font-weight: bolder;

}

.small {

  max-width: 3rem;

}

</style>

Main.js:

import Vue from "vue";

import App from "./App.vue";

import { BootstrapVue, IconsPlugin } from "bootstrap-vue";

import "bootstrap/dist/css/bootstrap.css";

import "bootstrap-vue/dist/bootstrap-vue.css";

Vue.config.productionTip = false;

Vue.use(BootstrapVue);

Vue.use(IconsPlugin);

new Vue({

  render: h => h(App)

}).$mount("#app");

Thanks

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