

Create a Payment Gateway UI which have the following features:

- ❖ A form where the user can enter the credit card details like Card Number, CVV and Expiry Date as well.
- ❖ Save the card details and show a list of saved cards when the user lands on the page again. (eg; on browser refresh).
- ❖ User should be able to delete already saved cards.

### **Validation Requirements:**

- ❖ User enters the card number first and then the other fields (CVV, Expiry Date)
- ❖ When user types the card number, detect the card type (Visa, Master, Maestro) and display it alongside.
- ❖ Validate if card number has required length (each card type has a specific length)
- ❖ Validate CVV length (each card type has specific cvv length and cvv can also be optional for certain card types, so you may not need to validate it)
- ❖ Validate expiry date (expiry date can be optional for certain card types so you may not need to validate it)

You can use <https://www.getcreditcardnumbers.com/> to get dummy card numbers

### **Good to have features (bonus points for implementing these):**

- ❖ Auto-tab: cursor should jump to next field on successful completion of one field.
- ❖ Number spacing: Insert space after every 4 digits automatically.
- ❖ Show icon for card type, which changes dynamically with number.
- ❖ CVV Masking: CVV should not be plain-text.

### **Deliverables:**

- ❖ You are expected to code in Vanilla Javascript, and use of any kind of frameworks like AngularJS and ReactJS is discouraged.
- ❖ Implementation should be functional and without errors. Please test it before submission.
- ❖ You will be marked on the UI design and implementation, both.
- ❖ We are expecting Generic and Robust code in Vanilla Javascript.
- ❖ We are expecting well indented, commented and documented code.
- ❖ Zip all your Source Code, Deployment Instructions, Screenshots and upload.