Leonid Suchkov

CISC 3140

Assignment 4

Netflix

Credit Card Submission Form

Paying online is coming become easier and faster. Design the credit card form, is having a set of business requirements and constraints. I show is about the design considerations our team explored to get finished product.

Our goal to make sense of all the various inputs and questions a user may have, including:

1. What payment cards are accepted?

In form we need to show which types of cards is accepted, we add tickers to indicate the cards supported. Best place for logos above the card number field. Another option was to place them inside the input. We decided to place card logos at the top of the form. This place makes them immediately visible, because they are the first element a user must parse visually. The user doesn't have to search for them.

2. Name on card

The next we add to input the user to provide is the name of the credit card owner. Just several options for label text:

- Name of card holder

- Card holder name

- Name on card

- Full name on card

We choose that Name on card because is shortest and clearest way to ask for input. This simply type exactly what's displayed on the card, instead of thinking about the card owner's full name.

3. Card number

The card number input is common question that a user asks is: "Card number has spaces or enter card number with spaces, or without?" First to solve for this problem, we limit the input values to numbers only, so 0–9. So, if types a space or words, it is not register and not affect the number format.

Second, we add validation on the number of entered digits for recognizing type of card.

4. Card type being used

For helpful we added logos indicate the card type being used in a visual way. This help user that the card type input matches with the card. We can determine the card type from first number, as follows:

3 American Express

4 — Visa

5 — MasterCard

After the user enters the first two numbers, card logo is displaying to the right.

5. Expiry date

For date we create selection tags for month and year.

6. Security code:We decided to name this input "Security code". Next, a security code can be 4 digits (American Express) or 3 digits (other brand).

7. Handling card errors

Our validation criteria for client-side errors:

All inputs, except Name on card must contain numbers only (i.e. no letters or special characters)

Card number: Length must be 16 numbers (15 for American Express), must begin with one of the four known card codes

Expiry date: Length must be 2 numbers for month, and 2 for the year . Month can only be 01 to 12, year must be minimum 15.

Security code: Length must be 4 numbers if American Express, or 3 numbers for other card brands

To visually indicate an error, we highlight the input field containing the error with red background and red border. We don't make the input text red. As for the error hint, we display it below the error field, in red text.

8. Designing for different screens

We built form that could be used on different screen sizes (responsive web design), and different screens.