HQCardCheck v2.5

Unit
HQCreditCheck

Description
The HQCreditCheck component will verify credit card entries. If you need to take credit card orders from your application or you need to verify credit card numbers and types, this component is the best of its kind. HQCreditCheck checks credit card number validity, credit card types against the number, and credit card length against the type. HQCreditCheck also checks the expiration date.

HQCreditCheck is Year 2000 compliant.

HQCreditCheck can validate Visa, MasterCard, American Express, Discover and Diners.

If you want HQCreditCheck to check for more cards, please send details about the card to delphi@misoftware.com.

Shareware
Please note that this component is shareware. You can try it to see if it fits your needs but you can't sell nor use it in commercial programs. The component will only work while Delphi is running.

The registration fee is US$25 (US$39.95 with FULL source).
http://www.misoftware.com/delphi/

HQCreditCheck is Royalty Free.

Check for updates on the web, you can also find out how to register this component at
http://www.misoftware.com/delphi/

E-mail address is delphi@misoftware.com.

Properties

[CardNumber](#)　　　[CardType](#)
[ExprMonth](#)　　　[ExprYear](#)

Methods

CheckCreditCard

Events

OnExpired   OnInvalidNumber

OnValid   OnInvalidType

CardNumber

Declaration
property CardNumber: String;

Description
This is the actual card number that will be validated. Note that you can pass any string to CardNumber, but it will ignore any non numeric characters.

Example

CCEdit.Text = '5432-1235-1251-1512';
HQCreditCheck1.CardNumber := CCEdit.Text;

ShowMessage(HQCreditCheck1.CardNumber);

The message will show: 5432123512511512

CardType

Declaration
property CardType: TCardType;

Description
You can select from five different credit card types:

cctVisa (Visa)
cctMastercard (MasterCard)
cctAmex (Amex)
cctDiscover (Discover)
cctDiners (Diners)

ExprMonth

Declaration
property ExprMonth: Integer;

Description
This is the expiration month for the credit card.

ExprYear

Declaration
property ExprYear: Integer;

Description
This is the expiration year for the credit card.

Example

HQCreditCheck1.ExprYear := 99;

Result would be 1999

OR

HQCreditCheck1.ExprYear := 02;

Result would be 2002

OR you may enter the full date e.g. HQCreditCheck1.ExprYear := 2002;

CheckCreditCard

Declaration
function CheckCreditCard: Boolean;

Description
This function is used to verify the credit card information. This brings back and True if the card passed the validation or False if it did not.

Example

if HQCreditCheck1.CheckCreditCard **t**hen
   ShowMessage('Card Passed')
else
   ShowMessage('Card Failed');

Note: Before True of False is returned, an Event is triggered.

OnExpired

Declaration
property OnExpired: TNotifyEvent;

Description
This event will be called after running '[CheckCreditCard](#)' and the card has expired.

OnInvalidNumber

Declaration
property OnInvalidNumber : TNotifyEvent;

Description
This event will be called after running 'CheckCreditCard' and the card number was invalid.

OnValid

Declaration
property OnValid: TNotifyEvent;

Description
This event will be called after running '[CheckCreditCard](#)' and all the credit card information was valid.

OnInvalidType

Declaration
property OnInvalidType: TNotifyEvent;

Description
This event will be called after running 'CheckCreditCard' and the card type does not match the card number specifications.