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Subject: Re: JavaScriptCore  
Posted by [cbpporter](#) on Fri, 13 Aug 2010 13:28:55 GMT  
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There are error with the IsUpper field also.

This is getting quite confusing.

I think that we need to change the meaning of these fields. Take for example the character dot ".". This is a punctuation mark, and as a code point IsLower is false and IsUpper is false. Yet, as a string, IsLower and IsUpper are both true. Unicode defines isLower(b): b == toLower(b). So the string "abc.=/123" is lowercase, and the string "ABC.=/123" is upper case.

If we create:

```
bool IsSmthLower(int c)      { return (dword)c < 2048 ? (uni__info[c] & 2047) == c: true; }
```

for testing the "logical"/"human interpretable" case of a character in string and keep the old IsLower to refer only to a code point's property of representing a particular cased letter, we can kill two flies with the same stone or how the expression goes. It will also work for the case of a "small a with a superscript capital H in the upper right corner" sequence (which is lowercase). The small a will have a code point property of lower as true, and it's lower case variant is the same. The capital H superscript has it's property as false, more precisely N/A, and it's lower case variant is again the same character.

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