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Subject: Re: A new function to Web Package Unicode-Escape-Javascript -> Unicode

Posted by [sergeynikitin](#) on Wed, 20 Jul 2011 19:01:55 GMT

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I propose to extend function `UrlDecode` with form `\uXXXX` additionally to `%uXXXX` encoding. Form `\uXXXX` is reserved for old browsers and it is standard like form `%uXXXX`.

Interesting Online Encodings converter:

<http://rishida.net/tools/conversion/>

pls apply patch to Function:

```
String UrlDecode(const char *b, const char *e)
{
    StringBuffer out;
    byte d1, d2, d3, d4;
    for(const char *p = b; p < e; p++)
        if(*p == '+')
            out.Cat(' ');
        else if(*p == '%' && (d1 = ctoi(p[1])) < 16 && (d2 = ctoi(p[2])) < 16) {
            out.Cat(d1 * 16 + d2);
            p += 2;
        }
        else if(*p == '%' && (p[1] == 'u' || p[1] == 'U')
            && (d1 = ctoi(p[2])) < 16 && (d2 = ctoi(p[3])) < 16
            && (d3 = ctoi(p[4])) < 16 && (d4 = ctoi(p[5])) < 16) {
            out.Cat(WString((d1 << 12) | (d2 << 8) | (d3 << 4) | d4, 1).ToString());
            p += 5;
        }
        else
            out.Cat(*p);
    return out;
}
```

I propose change like this:

```
String UrlDecode(const char *b, const char *e)
{
    StringBuffer out;
    byte d1, d2, d3, d4;
    for(const char *p = b; p < e; p++)
        if(*p == '+')
            out.Cat(' ');
        else if(*p == '%' && (d1 = ctoi(p[1])) < 16 && (d2 = ctoi(p[2])) < 16) {
            out.Cat(d1 * 16 + d2);
            p += 2;
        }
}
```

```
    else if((*p == '%' || *p == '\\') && (p[1] == 'u' || p[1] == 'U') // <-This line changed
    && (d1 = ctoi(p[2])) < 16 && (d2 = ctoi(p[3])) < 16
    && (d3 = ctoi(p[4])) < 16 && (d4 = ctoi(p[5])) < 16) {
        out.Cat(WString((d1 << 12) | (d2 << 8) | (d3 << 4) | d4, 1).ToString());
        p += 5;
    }
    else
        out.Cat(*p);
return out;
}
```

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