```
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//  FILENAME:  eText.Class.m
//  SUMMARY:   Implementation of the Class Management functions of eText:Text
//  SUPERCLASS:Object:Responder:View:Text:eText
//  PROTOCOLS: <Annotation>, <SearchableText>
//  INTERFACE: None, indirectly through eTDoc.nib
//  AUTHOR:    Rohit Khare
//  COPYRIGHT: ©1993,94 California Institure of Technology, eText Project
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Implementation Comments
//      These initialization and lifecycle methods bear the brunt of
//  integrating all the diverse bits of code in the different categories.
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//  History
//  10/17/94:  Cleaned up for eText5.
//  08/05/94:  Completely Rearchitected for 5.0. RK
//  07/10/94:  Rewrote HTML parsing routines; moved code out of eTDoc
//  06/18/94:  Added writeHTML:from:length:. RK & TRZ.
//  05/09/94:  Added positionForAnnotation
//  01/20/94:  Revised throughout for eText4.0
//  09/11/93:  Added Dragging support
//  08/19/93:  Created. Based directly on 1.0 sources, edited down.
//  06/24/93:  Version 1.0 Created (Rohit Khare)
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Imported Interfaces
//
    #import "eText.Class.h"

@implementation eText
//ÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐÐ
//  Class Management
//
+ initialize {
    // Register %v for HTML and %w for LaTeX for encoding with NXPrintf
    NXRegisterPrintfProc('V', (NXPrintfProc *)&URIEncoder,NULL);
    NXRegisterPrintfProc('v', (NXPrintfProc *)&HTMLEncoder,NULL);
    NXRegisterPrintfProc('w', (NXPrintfProc *)&LaTeXEncoder,NULL);

    // ... and set the encoding table
    [userModel defaultValue:"WebStep" for:"HTMLEncoding"];

    // Register %y for the PlainText encoding that uses NXToAscii()
    NXRegisterPrintfProc('y', (NXPrintfProc *)&ASCIIEncoder,NULL);
    return self;
}

- awakeFromNib{
   NXCoord left,right,top,bottom;
   NXAtom  supportedTypes[13] = {NXFilenamePboardType,
                                 NXFileContentsPboardType,
                                 NXSoundPboardType,
                                 NXPostScriptPboardType,
                                 NXTIFFPboardType,
                                 N3DRIBPboardType,
                                 NXColorPboardType,
                                 NXFontPboardType,
                                 NXRulerPboardType,
                                 NXRTFPboardType,
                                 NXAsciiPboardType,
                                 NXTabularTextPboardType,
                                 NULL};
   char keys[MAXPATHLEN];

   [self setMonoFont:NO];
   [self setRetainedWhileDrawing:YES];
   [self setGraphicsImportEnabled:NO];
   [self registerForDraggedTypes:supportedTypes count:12];
   [self setDelegate:self];

   [self getMarginLeft:&left right:&right top:&top bottom:&bottom];
   [self setMarginLeft:((left < 72.0) ? 72.0 : left) right:4 top:4 bottom:4];

   oldTextFilter = [self textFilter];
   [self setTextFilter:&undoFilterFunc];

   [[NXBundle mainBundle] getPath:keys forResource:"KeyBindingFiles" ofType:""];
   strcat(keys, "/eText.keys");
   [self setInitialAction:[[[XTDispatchAction alloc] init] loadFromFile:keys
estream:errorStream]];

   return self;
}

- initFrame:(const NXRect *)frameRect
       text:(const STR)theText
  alignment:(int)mode {
   [super initFrame:frameRect text:theText alignment:mode];
   etDoc = nil;
   undoManager = nil;
   nextAction = nil;
   strictRTF = NO;
   initialAction = nil;
   errorStream = [ErrorStream default];
   posHint = -1;
```

```
    xHintPos = -1;
    return self;
}

- free {
    etDoc = nil;
    undoManager = nil;
    [self setText:""];      // Nukes all remaining annotations
    return self = [super free];
}

@end
```