

## Annex codis font

### 1. Backend: page-xml.php (script per WordPress)

```
<?PHP /*XMLGenerator cataleg_info.xml*/  
echo '<?xml version="1.0" encoding="iso-8859-1"?>';  
echo '<!DOCTYPE Cataleg SYSTEM "Cataleg.dtd">'; ?>  
  
<cataleg>  
<info>  
  <nom><![CDATA[<?PHP bloginfo('name'); ?>]]></nom>  
  <versio><![CDATA[0.3]]></versio>  
  <url><![CDATA[<?PHP bloginfo('url'); ?>/]]></url>  
</info>  
  
<theme>  
  <color1><![CDATA[0xf70801]]></color1>  
  <colortext1><![CDATA[0xffffffff]]></colortext1>  
  <imgportada><![CDATA[PortadaSpecializedCatalog.jpg]]></imgportada>  
  <fons_def><![CDATA[fons-defecte.jpg]]></fons_def>  
  <mini_def><![CDATA[mini-def.jpg]]></mini_def>  
</theme>  
  
<pages>  
<?PHP //llista pages  
query_posts('post_type=page&order=ASC&orderby=menu_order');  
while (have_posts()) : the_post();  
if(get_the_ID() !=160){ //descartem id de la pagina xml...?>  
<page>  
  <id><![CDATA[<?PHP the_ID(); ?>]]></id>  
  <titol><![CDATA[<?PHP the_title(); ?>]]></titol>  
  <page_text><![CDATA[<?PHP the_content(); ?>]]></page_text>
```

```
<img_page><![CDATA[<?PHP echo get_post_meta(get_the_id(),'ImgFons',true); ?>]]></img_page>
</page>
<?PHP }
endwhile;
wp_reset_query(); //netegem la query ?>
</pages>

<categories>
<?PHP //llista cats
$cats = get_categories('hide_empty=0');
foreach($cats as $category) {?>
<cat>
  <id><![CDATA[<?PHP echo $category->cat_ID; ?>]]></id>
  <pare><![CDATA[<?PHP echo $category->category_parent; ?>]]></pare>
  <name><![CDATA[<?PHP echo $category->name; ?>]]></name>
  <description><![CDATA[<?PHP echo $category->description; ?>]]></description>
  <cat_img><![CDATA[<?PHP echo $category->slug.".jpg"; ?>]]></cat_img>
  <miniature><![CDATA[<?PHP echo $category->slug:"-mini.jpg"; ?>]]></miniature>
</cat>
<?PHP } ?>
</categories>

<posts>
<?PHP //llista elements
query_posts('post_type=post&posts_per_page=-1');
while (have_posts()) : the_post(); ?>
<post>
  <id><![CDATA[<?PHP the_ID(); ?>]]></id>
  <titol><![CDATA[<?PHP the_title(); ?>]]></titol>
  <text><![CDATA[<?PHP the_content(); ?>]]></text>
  <?PHP $categories = get_the_category();
  foreach($categories as $cat){ ?>
    <cat><![CDATA[<?PHP echo $cat->cat_ID; ?>]]></cat>
  <?PHP }?>
  <post_img><![CDATA[<?PHP echo get_post_meta(get_the_id(),'Img',true); ?>]]></post_img>
  <miniature><![CDATA[<?PHP echo get_post_meta(get_the_id(),'miniature',true); ?>]]></miniature>
```

```
<video><![CDATA[<?PHP echo get_post_meta(get_the_id(),'video',true); ?>]]></video>  
<video_poster><![CDATA[<?PHP echo get_post_meta(get_the_id(),'video_poster',true); ?>]]></video_poster>  
<img3D><![CDATA[<?PHP echo get_post_meta(get_the_id(),'img3D',true); ?>]]></img3D>  
</post>  
<?PHP endwhile;  
wp_reset_query(); //netegem la query ?>  
</posts>  
  
</cataleg>
```

## 2. Frontend: us de llibreria TweenMax

```
import com.greensock.*;  
import com.greensock.easing.*;  
  
...  
  
TweenLite.to(ScreenContainer, 0.75, {y:0, ease:Quint.easeOut, onComplete:clearScreen});
```

## 3. Frontend: instal·lació d'un catàleg ('BoxNouCatalog.as').

```
package com.xinuxanu.padcatalog  
{  
    import com.xinuxanu.padcatalog.*;  
  
    import flash.display.Loader;  
    import flash.display.LoaderInfo;  
    import flash.display.SimpleButton;  
    import flash.display.Sprite;  
    import flash.events.Event;  
    import flash.events.IOErrorEvent;
```

```
import flash.events.MouseEvent;
import flash.events.ProgressEvent;
import flash.filesystem.*;
import flash.net.FileReference;
import flash.net.URLLoader;
import flash.net.URLLoaderDataFormat;
import flash.net.URLRequest;
import flash.text.TextField;

public class BoxNouCataleg extends Sprite
{
    public var tb_url_cataleg:TextField;
    public var bt_install_cat:SimpleButton;

    private var xmlData:XML;
    private var xmlLoader:URLLoader = new URLLoader;
    private var numMedia:int;
    private var mediaArray:Array = new Array;
    private var missError:MessageBox;

    private var carregaInfo:CarregaInfo;

    private var nomMedia:String;

    public function BoxNouCataleg()
    {
        super();
        this.x = 60;
        this.y = 40;
        bt_install_cat.addEventListener(MouseEvent.CLICK, installCat);
    }
    private function installCat(e:Event):void
    {
        trace("Instal·lant cataleg: "+tb_url_cataleg.text);
        //baixa XML
        var url:String = new String(tb_url_cataleg.text);
```

```
xmlLoader.addEventListener(Event.COMPLETE,xmlInfoComplete);  
xmlLoader.addEventListener(ProgressEvent.PROGRESS,xmlLoading);  
xmlLoader.addEventListener(IOErrorEvent.IO_ERROR,urlError);  
xmlLoader.load(new URLRequest(url));  
}  
private function xmlInfoComplete(e:Event):void  
{  
    trace("URLXML info Carregada!");  
    xmlData = new XML(xmlLoader.data);  
    //gurda XML info (info catàleg, pages, categories, elements)  
    var catalegXMLinfo:File = File.documentsDirectory.resolvePath(CatalegInfo.ins().pathCatalegInfo);  
    var fileStream:FileStream = new FileStream;  
    fileStream.open(catalegXMLinfo,FileMode.WRITE);  
    var XMLstring:String = '<?xml version="1.0" encoding="utf-8"?>\n';  
    XMLstring += xmlData.toXMLString();  
    fileStream.writeUTFBytes(XMLstring);  
    fileStream.close();  
    //carregem el cataleg local  
    CatalegInfo.ins().carregaCataleg();  
    //mediaArray conté noms de fitxer per baixar...  
    var i:int;  
    for(i=0;i<xmlData.pages.page.length();i++) //pages  
    {  
        mediaArray.push(xmlData.pages.page[i].img_page);  
    }  
    for(i=0;i<xmlData.categories.cat.length();i++) //cats  
    {  
        mediaArray.push(xmlData.categories.cat[i].cat_img); //imatge fons  
        mediaArray.push(xmlData.categories.cat[i].miniature); //imatge miniatura  
    }  
    for(i=0;i<xmlData.posts.post.length();i++) //elements(posts)  
    {  
        mediaArray.push(xmlData.posts.post[i].post_img); //imatge de l'element  
        mediaArray.push(xmlData.posts.post[i].miniature); //imatge miniatura  
    }  
}
```

```
        if(String(xmlData.posts.post[i].video_poster)!="") {
mediaArray.push(xmlData.posts.post[i].video_poster); }//video_poster
        if(xmlData.posts.post[i].video!=""){ mediaArray.push(xmlData.posts.post[i].video); }//vídeo

        if(String(xmlData.posts.post[i].img3D)!="") // imatges 3D si n'hi ha (bucle)...
        {
            var imgName:String = xmlData.posts.post[i].img3D;
            for(var j:int=1;j<61;j++) //60 és el nombre d'imatges que formen el gir 360
            {
                imgName = imgName.substring(0,imgName.lastIndexOf("_")+ "_" +j+ ".jpg");
                mediaArray.push(imgName);
            }
        }
        mediaArray.push(xmlData.theme.fons_def); //fons per defecte
        mediaArray.push(xmlData.theme.mini_def); //miniatura per defecte
        numMedia = mediaArray.length; //num total media...

        carregaInfo = new CarregaInfo(numMedia+1); //+1 la portada...
        carregaInfo.x = this.width/2 - 150;
        carregaInfo.y = 200;
        this.addChild(carregaInfo);
        //descarregariem continguts... portada i media
        var urlMedia:URLRequest = new URLRequest;
        nomMedia = xmlData.theme.imgportada; //iniciem seqüència amb la portada
        carregaInfo.init(nomMedia);
        urlMedia.url = CatalegInfo.ins().URLCataleg+"wp-content/uploads/"+nomMedia;
        var mediaLoader:URLLoader = new URLLoader;
        mediaLoader.dataFormat = URLLoaderDataFormat.BINARY;
        mediaLoader.addEventListener(ProgressEvent.PROGRESS, carregantMedia);
        mediaLoader.addEventListener(Event.COMPLETE, mediaCarregat);
        mediaLoader.addEventListener(IOErrorEvent.IO_ERROR, mediaError);
        mediaLoader.load(urlMedia);
    }
    private function carregantMedia(e:Event):void
```

```
{
    //trace("carregant..." + e.target.bytesLoaded / e.target.bytesTotal * 100);
    carregaInfo.carregant(e.target.bytesLoaded, e.target.bytesTotal);
}
private function mediaCarregat(e:Event):void
{
    trace(nomMedia + " carregat!");
    //guardar vídeo
    var videoFile:File = File.documentsDirectory.resolvePath("PadCatalog/Media/" + nomMedia);
    var fileStream:FileStream = new FileStream;
    fileStream.open(videoFile, FileMode.WRITE);
    fileStream.writeBytes(e.target.data);
    fileStream.close();
    //seguim baixant media si n'hi ha
    if(numMedia != 0)
    {
        numMedia--;
        var urlMedia:URLRequest = new URLRequest;
        nomMedia = mediaArray[numMedia];
        carregaInfo.init(nomMedia);
        urlMedia.url = CatalegInfo.ins().URLCataleg + "wp-content/uploads/" + nomMedia;
        var mediaLoader:URLLoader = new URLLoader;
        mediaLoader.dataFormat = URLLoaderDataFormat.BINARY;
        mediaLoader.addEventListener(ProgressEvent.PROGRESS, carregantMedia);
        mediaLoader.addEventListener(Event.COMPLETE, mediaCarregat);
        mediaLoader.addEventListener(IOErrorEvent.IO_ERROR, mediaError);
        mediaLoader.load(urlMedia);

    } else { //no hi ha més media
        ConfigScreen(parent.parent.parent).changeTab("General");
    }
}
private function mediaError(e:Event):void
{
    missError = new MessageBox("Hi ha hagut un error al descarregar media: " + nomMedia, 50, 200, "error");
    this.addChild(missError);
}
```

```
        trace("Error: "+e);
        //seguim baixant media si n'hi ha
        if(numMedia!=0)
        {
            numMedia--;
            var urlMedia:URLRequest = new URLRequest;
            nomMedia = mediaArray[numMedia];
            carregaInfo.init(nomMedia);
            urlMedia.url = CatalegInfo.ins().URLCataleg+"wp-content/uploads/"+nomMedia;
            var mediaLoader:URLLoader = new URLLoader;
            mediaLoader.dataFormat = URLLoaderDataFormat.BINARY;
            mediaLoader.addEventListener(ProgressEvent.PROGRESS, carregantMedia);
            mediaLoader.addEventListener(Event.COMPLETE, mediaCarregat);
            mediaLoader.addEventListener(IOErrorEvent.IO_ERROR, mediaError);
            mediaLoader.load(urlMedia);

        }else{//no hi ha més media
            ConfigScreen(parent.parent.parent).changeTab("General");
        }
    }
    private function xmlLoading(e:Event):void
    {
        trace("Carregant URLXML..."); //aquí es podria una barra de càrrega...
    }
    private function urlError(e:IOErrorEvent):void
    {
        missError = new MessageBox("Hi ha hagut un error al descarregar el nou catàleg.\n\nSembla que la
URL indicada no és correcte, o no és accessible. Torna-ho a intentar, o posa't en contacte amb
l'administrador.", 50, 200, "error");
        this.addChild(missError);
        trace("Error: "+e);
    }
}
}
```



#### 4. Frontend: barra de navegació (MenuNavegacio.as)

```
package com.xinuxanu.padcatalog
{
    import com.xinuxanu.padcatalog.*;
    import flash.display.SimpleButton;
    import flash.display.Sprite;
    import flash.events.Event;
    import flash.events.MouseEvent;

    public class MenuNavegacio extends Sprite
    {
        public var bt_config:SimpleButton;

        public function MenuNavegacio()
        {
            super();
            trace("Barra navegacio carregada!");
            bt_config.addEventListener(MouseEvent.CLICK, goConfig);
        }
        private function goConfig(e:Event):void
        {
            trace("Go config!");
            Main(parent.parent.parent).changeScreen("config");
        }
        public function navegacio(tipusPage:String, Id:String=null):void
        {
            clearNav();
            var i:int;
            switch(tipusPage)
            {
                case "portada":
                    //no s'han d'afegir elements...
                    break;
                case "catpage":
                    for(i=0; i<CatalogInfo.ins().xmlData.pages.page.length(); i++)
```

```
        {
            if(CatalegInfo.ins().xmlData.pages.page[i].id==Id)
            {
                //afegir nomPage
                var btPage:BtMenuNav = new
BtMenuNav(CatalegInfo.ins().xmlData.pages.page[i].titol, "catpage", CatalegInfo.ins().xmlData.pages.page[i].id);
                this.addChild(btPage);
                btPage.x = 130;
                btPage.y = 18;
            }
        }
        break;
    case "categoria":
        for(i=0;i<CatalegInfo.ins().xmlData.categories.cat.length();i++)
        {
            if(CatalegInfo.ins().xmlData.categories.cat[i].id==Id)
            {
                //afegir categoria
                var btCat:BtMenuNav = new
BtMenuNav(CatalegInfo.ins().xmlData.categories.cat[i].name, "categoria", CatalegInfo.ins().xmlData.categories.cat[i].id);

                this.addChild(btCat);
                btCat.y = 18;
                //comprovar si te pare i mes...
                if(CatalegInfo.ins().xmlData.categories.cat[i].pare!=0)
                {
                    afegirPare(CatalegInfo.ins().xmlData.categories.cat[i].pare);
                }
                generaPath();
            }
        }
        break;
    case "catelement":
        for(i=0;i<CatalegInfo.ins().xmlData.posts.post.length();i++)
        {
            if(CatalegInfo.ins().xmlData.posts.post[i].id == Id)
```

```
        {
            //afegir element
            var btElement: BtMenuNav = new
BtMenuNav(CatlegInfo.ins().xmlData.posts.post[i].titol, "catelement", CatlegInfo.ins().xmlData.posts.post[i].id);
//es pot canviar tots els cattype i id...!!!
            this.addChild(btElement);
            btElement.y = 18;
            //generem path categoria i pares
            afegirPare(CatlegInfo.ins().xmlData.posts.post[i].cat);
        }
        generaPath();
    }
    break;
}
}
private function afegirPare(idPare:String):void
{
    //afegim separador
    var separador: Separador = new Separador;
    this.addChildAt(separador, 3);
    separador.y=8;
    //afegim pare
    for(var i:int=0; i<CatlegInfo.ins().xmlData.categories.cat.length(); i++)
    {
        if(CatlegInfo.ins().xmlData.categories.cat[i].id==idPare)
        {
            var btCat: BtMenuNav = new
BtMenuNav(CatlegInfo.ins().xmlData.categories.cat[i].name, "categoria", CatlegInfo.ins().xmlData.categories.cat[i].id);
            this.addChildAt(btCat, 3); //el fem per davant del fill...
            btCat.y = 18;
            if(CatlegInfo.ins().xmlData.categories.cat[i].pare!=0) //carrega avis i més... es
genera un bucle
            {
                afegirPare(CatlegInfo.ins().xmlData.categories.cat[i].pare);
            }
        }
    }
}
```

```
        }  
    }  
    }  
    private function generaPath():void  
    {  
        for(var j:int=3;j<this.numChildren;j++)  
        {  
            this.getChildAt(j).x = this.getChildAt(j-1).x + this.getChildAt(j-1).width + 10;  
        }  
    }  
    private function clearNav():void  
    {  
        for(var i:int=this.numChildren-1;i>2;i--)//eliminem tots els fills menys (0,1,2)  
        {  
            this.removeChildAt(i);  
        }  
    }  
}
```

## 5. Frontend: paginació del catàleg (HomeScreen.as)

```
public function changePage(newPage:String,Id:String=null,direccio:String=null):void //parametres:  
newPage(portada, catpage, categoria, catelement) i Id  
{  
    if((newPage!=actualPage) || (oldId!=Id)) //hi ha canvi de pagina...  
    {  
        actualPage = newPage;  
        oldId = Id;  
        refreshPage(Id,direccio);  
    }  
}  
private function refreshPage(Id:String=null,direccio:String=null):void //canviem pagina i menu navegacio  
{
```

```
if (pageReference != null) { oldPage = pageReference; }
switch (actualPage)
{
    case "portada":
        pageReference = new Portada;
        menuNavegacio.getChildAt(1).visible = true;
        break;
    case "catpage":
        pageReference = new CatPage(Id);
        menuNavegacio.getChildAt(1).visible = false;
        break;
    case "categoria":
        pageReference = new Categoria(Id);
        menuNavegacio.getChildAt(1).visible = false;
        break;
    case "catelement":
        pageReference = new CatElement(Id);
        menuNavegacio.getChildAt(1).visible = false;
        break;
}
menuNavegacio.navegacio(actualPage, Id); //li passarem tipus(actualPage) i Id
CatalegContainer.addChild(pageReference);
if (oldPage != null)
{
    //animacio de les pàgines...
    dirAnim = direccio;
    switch (direccio)
    {
        case "forward":
            oldPage.x = CatalegContainer.x = 0;
            pageReference.x = 1024;
            TweenLite.to(CatalegContainer, 0.75, {x:-1024, ease:Quint.easeOut,
onComplete:clearPage});
            break;
        case "back":
            oldPage.x = 1024;
```

```
        CatalogContainer.x = -1024;
        pageReference.x = 0;
        TweenLite.to(CatalogContainer, 0.75, {x:0, ease:Quint.easeOut, onComplete:clearPage});
        break;
    }
}
}
private function clearPage():void
{
    CatalogContainer.removeChild(oldPage);
}
```

## 6. Frontend: seccions del catàleg (CatPage.as)

```
package com.xinuxanu.padcatalog
{
    import flash.display.Loader;
    import flash.display.LoaderInfo;
    import flash.display.Shape;
    import flash.display.Sprite;
    import flash.events.Event;
    import flash.events.IOErrorEvent;
    import flash.events.MouseEvent;
    import flash.events.ProgressEvent;
    import flash.geom.Rectangle;
    import flash.net.URLRequest;
    import flash.text.Font;
    import flash.text.TextField;
    import flash.text.TextFormat;

    public class CatPage extends Sprite
    {
        private var imgLoader:Loader = new Loader;
        private var imgErrCount:int = 0;
```

```
private var titolText:TitolText;
public var tb_page:TextField = new TextField;
public var format:TextFormat = new TextFormat;
public var fontHelvetica:Font = new HelveticaRegular;
public var marcTitol:Shape = new Shape;
public var marcText:Shape = new Shape;

//variables scroll
private var textScrollRect:Rectangle;
private var startY:int;
private var scrollY:int;

public function CatPage(pageId:String)
{
    super();
    trace("Pagina "+pageId+" carregada");
    //busquem i mostrem pageId
    for(var i:int=0;i<CatalogInfo.ins().xmlData.pages.page.length();i++)
    {
        if(CatalogInfo.ins().xmlData.pages.page[i].id==pageId)
        {
            titolText = new TitolText(CatalogInfo.ins().xmlData.pages.page[i].titol);
            tb_page.htmlText = CatalogInfo.ins().xmlData.pages.page[i].page_text;
            //carreguem imatge fons
            imgLoader.contentLoaderInfo.addEventListener(Event.COMPLETE, imgComplete);
            imgLoader.contentLoaderInfo.addEventListener(ProgressEvent.PROGRESS, imgLoading);
            imgLoader.contentLoaderInfo.addEventListener(IOErrorEvent.IO_ERROR, imgError);
            imgLoader.load(new
URLRequest(CatalogInfo.ins().pathCatalogMedia+CatalogInfo.ins().xmlData.pages.page[i].img_page));
        }
    }
    private function imgLoading(e:Event):void
    {
        trace("Loading
img:"+imgLoader.contentLoaderInfo.bytesLoaded/imgLoader.contentLoaderInfo.bytesTotal*100+"%");
    }
}
```

```
}  
private function imgComplete(e:Event):void  
{  
    //mostrem elements...  
    this.addChildAt(imgLoader,0);  
    showTitol();  
    showText();  
}  
private function imgError(e:IOErrorEvent):void  
{  
    trace("Error: "+e.text);  
    imgErrCount ++;  
    if(imgErrCount<2)  
    {  
        imgLoader = new Loader;  
        imgLoader.contentLoaderInfo.addEventListener(Event.COMPLETE, imgComplete);  
        imgLoader.contentLoaderInfo.addEventListener(ProgressEvent.PROGRESS, imgLoading);  
        imgLoader.contentLoaderInfo.addEventListener(IOErrorEvent.IO_ERROR, imgError);  
        imgLoader.load(new  
URLRequest(CatlegInfo.ins().pathCatlegMedia+CatlegInfo.ins().fonsDefecte));  
    }else{  
        var fons:Shape = new Shape;  
        fons.graphics.beginFill(CatlegInfo.ins().colortext1.color,1);  
        fons.graphics.drawRect(0,0,1024,718);  
        fons.graphics.endFill();  
        this.addChild(fons);  
        showTitol();  
        showText();  
    }  
}  
private function showTitol():void  
{  
    titolText.x = 10;  
    titolText.y = 50;  
    this.addChild(titolText);  
    //creem marc titol
```



```
        marcTitol.graphics.beginFill(CatalegInfo.ins().color1.color,1);
        marcTitol.graphics.drawRect(titolText.x-10,titolText.y-10,480,titolText.height+10);
        marcTitol.graphics.endFill();
        this.addChildAt(marcTitol,this.numChildren-1);
    }
    private function showText():void
    {
        format.size = 18;
        format.font = fontHelvetica.fontName;
        format.color = 0x000000;
        format.leading = 10;
        tb_page.width = 460;
        tb_page.x = 520;
        tb_page.y = 50;
        tb_page.multiline = true;
        tb_page.wordWrap = true;
        this.addChild(tb_page);
        tb_page.setTextFormat(format);
        tb_page.height = tb_page.numLines*28;
        //scroll text
        textScrollRect = new Rectangle(0,0,460,630);
        tb_page.scrollRect = textScrollRect;
        //events scroll
        tb_page.addEventListener(MouseEvent.MOUSE_DOWN,dragText);
        //creem marc text
        marcText.graphics.beginFill(CatalegInfo.ins().colortext1.color,0.75);
        marcText.graphics.drawRect(tb_page.x-10,tb_page.y-10,480,650);
        marcText.graphics.endFill();
        this.addChildAt(marcText,this.numChildren-1);
    }
    //funcions scroll text
    private function dragText(e:Event):void
    {
        startY = this.mouseY;
        scrollyY = textScrollRect.y;
        this.addEventListener(MouseEvent.MOUSE_MOVE,scrollText);
    }
}
```

```
        this.addEventListener(MouseEvent.CLICK, dropText);
    }
    private function scrollText(e:Event):void
    {
        if( ( ((this.mouseY-startY)*(-1)+scrollY)>0 ) && ( ((this.mouseY-startY)*(-1))<(tb_page.numLines*28-textScrollRect.height) ) )
        {
            textScrollRect.y = (this.mouseY-startY)*(-1)+scrollY;
            tb_page.scrollRect = textScrollRect;
        }
    }
    private function dropText(e:Event):void
    {
        this.removeEventListener(MouseEvent.CLICK, scrollText);
        this.removeEventListener(MouseEvent.CLICK, dropText);
    }
}
```