

Open issues

Note:

These are the open issues in our [bug tracking system](#) with a list limit of 50 issues (see [all](#) open issues). The listing below is regenerated on each Forrest run.

1. External link image not appearing

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-164>

The external link image does not appear for skins that make use of the default behaviour defined by the common css.
 It is simply because the path to the external-link.gif image is not defined correctly.
 A patch will be attached to this report.

2. Tigris skin not showing CSS images in static build

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-163>

Images that should be shown with the Tigris css are not being displayed when building a static website. This includes such things as the images for Note, Warning, etc.
 It does work under Jetty (forrest run) and as a webapp (forrest war).
 It's simply because of the path defined in the css. Both Jetty and the webapp can find the images since the sitemap does remapping.
 However, the static build does not have that luxury.

3. Add ability to generate Eclipse Help Plug-in compliant sites

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-162>

It would be nice to be able to generate a site that can be embedded into an Eclipse help plugin.
 The criteria would be as such:
 1. Generate more compact html. i.e. with less header info. The Eclipse help center is typically sized small on a user's screen and the less cruft the better. The workaround described in #2 below can get around this with the current way things are generated, but its kludgy.
 2. Generate html that does not contain the menus as Eclipse uses an xml files called a toc file to generate its own menus. A current workaround is to generate the site using a modified the forrest-css skin. The css is modified to hide the menus and compress the header portion of the page. Although you have to specify a 1px image in skinconf.xml for the mandatory project logo in order for this to work.
 3. Generate an Eclipse toc file that is basically a transformation of the site.xml.
 Note - I have been using forrest for exactly 1 day so buyer beware.
 Reference material:
 A link to a page describing the format of the Eclipse toc file:
 http://help.eclipse.org/help21/topic/org.eclipse.platform.doc.isv/guide/help_plugin_toc.htm
 P.S. I left the priority for this issue at its default setting for no particular reason.
 Geoff

4. Full site (HTML and PDF) doesn't include index.xml

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-160>

The site.html and site.pdf files automatically generated do not include the content in the index.xml files (at many levels).
 My site.xml references the index files, i.e.,
 <site ...
 <index href="index.html"/>
 ...
 <module tab="module" href="module"/>
 <index href="index.html"/>
 Without a label, Forrest does not generate a clickable link in the menu; you navigate via the tabs at the top.
 See the results at
 <http://jakarta.apache.org/hivemind/>

5. Need <index> in site.xml for tabs to work

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-158>

I could not get tabs working correctly without adding an <index href="indexs.html"> inside site.xml.

 Details here:

 http://nagoya.apache.org/eyebrowse/ReadMsg?listName=
forrest-user@xml.apache.org&msgNo=18

 http://nagoya.apache.org/eyebrowse/ReadMsg?listName=
forrest-user@xml.apache.org&msgNo=20

6. skin-descriptors comma separated list fails

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-157>

The second link does *not* read the url of the skin correctly.

 I repeated today the steps with a second skin:
 1) create the skin
 2) forrest package-skin
 3) defined it in my descriptor
 4) checked with "forrest available-skins"
 5) forrest

 and it worked :)

 ... dunno why it have not yesterday.

 Yes I do! I just changed:
 forrest.skins.descriptors=http://www.apache.org/~thorsten/whiteboard/forrest
 to
 forrest.skins.descriptors=http://xml.apache.org/forrest/skins/skins.xml,http://www.apache.org/~thorsten/whiteboard/forrest

 Trying to say something wrong with the "comma seperated list,". The second link do *not* work. In detail the url of the skin.

 I just double checked as well the file:///d:/get/skins.xml and it worked. When it stands alone but not in the comma seperated list.

7. broken links building forrest site

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-156>

I removed the forrest site's cli.xconf since it's only significant differences from the default cli.xconf were ignoring ext:** and site:** which we didn't want anyway.

 Now there are many broken links reported when building the site. However, it seems that there are no broken links on the generated pages.

 So there's a bug in the CLI I think.

8. forrest does not validate documents

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-155>

forrest does not call any of the validation targets when building a site. I think this got messed up when changing skinconf validation.

9. FAQ has two tables of contents

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-154>

The generated FAQ document has two tables of contents.

10. Removing unneed Jar on forrest distribution.

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-153>

There are 71 Jar on our distribution. I am not 100% sure that all these jar are needed.

11. whole_site_html/pdf create needless heading at end of doc

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-150>

The whole_site_html/pdf task create needless heading "All" at end of doc

12. relative links broken in aggregate pages

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-148>

If a page in a subdirectory has a relative link (or image src reference), when it gets aggregated into /site.html then the relative link points to the wrong location.

 Example: /subdir/A.html has link to my-images/pic.jpg This causes /site.html to reference my-images/pic.jpg instead of subdir/my-images/pic.jpg

13. linkrewriting not done for aggregate pages

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-147>

site: and ext: links are not rewritten for site.html or site.pdf

14. Make Forrest able to be <import>ed by Ant

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-145>

I use an ant build system called antworks,

 <http://antworks.sourceforge.net/> which includes an antlet for forrest.

 Antlets are included in to a projects build file with a ant import task.

 However forrest has many common target names and properties.

 Please prefix all targets and properties with "forrest." to support using ant import of the entire forrest.build.xml.

15. define new format for skinconf.xml

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-144>

We are attempting to define a new extensible skinconf format. Here is one thread where the discussion is happening (there were some other threads leading up to that).

 <http://marc.theaimsgroup.com/?t=108315759100005>

16. Encoding of HTML files should be configurable

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-143>

From: Fabrice Bacchella

 By default, HTML files are encoded in ISO-8859-1 because of the way the Cocoon's HTML serialiser is declared in sitemap.xmap :

 `<map:serializer name="html" mime-type="text/html" src="org.apache.cocoon.serialization.HTMLSerializer">`
 `<doctype-public> -//W3C//DTD HTML 4.01 Transitional//EN`
 `<doctype-system>`
 `<map:serializer>`

 The default one is such a case is ISO-8859-1. And it even add a META in the HTML result. But here in French, ISO-8859-15 is better because of the "AB e dans l'o "BB character : "9C. In Russian or Asia, the situation is even worse.

 Is that possible to add a properties in forrest.properties saying for example :
 `project.encoding=UTF-8`

 and adding a `<encoding>` element in the

 HTML serializer ?

 And in a more general way, where can I find a document about the way properties are used by forrest ? Which files use them ? How to add a
 new one ?

17. Two search boxes in tigris skin

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-142>

The tigris skin currently contains both a top-right search box (like the other skins) and a lateral search bar. I think this might confuse some users -- it did confuse me :-> --, so I suggest that only one of these search facilities be kept.

 Personally, I do like the lateral search bar and think the top-right search form should go, but perhaps others feel differently.

18. XPath function: document() does not work

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-141>

I am trying to process an external XML file within a Doc12 document.

 I have modified a DTD to allow my new element construct
 <project-file href="fw4100_r1_1_proj.xml"/>

 I have created a Stylesheet with:
 <xsl:template match="project-file"/>
 <section>
 <title>Project File</title>
 <xsl:variable name="EXT-DOC" select="@href"/>
 <p>Ext. Doc: <xsl:value-of select="\$EXT-DOC"/>
 <p>
 <xsl:variable name="EXT-REF" select="document(\$EXT-DOC)//@pdd-num"/>
 <p>Ext. Ref: <xsl:value-of select="\$EXT-REF"/>
 <p>
 </section>
 <xsl:template>
 Just to see if the document can be found.

 It works using command-line java: (java org.apache.xalan.xslt.Process -IN in.xml -XSL link.xsl -OUT out.xml)

 It works in my XML authoring tool: Oxygen 3

 In cocoon/forrest I get this in my core.log file:

 WARN (2004-04-29) 13:18:58:787 [core.manager] (/Forrest/projects/fw4010.html) TP-Processor3/ExcaliburComponentManager: Attempted to release a org.apache.cocoon.components.treeprocessor.sitemap.ComponentsSelector but its handler could not be located.

 And it repeats 18 or so times.

 Any guidance on using the 'document()' function in Forrest?

19. Replace trail javascript code for XSLT

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-134>

The breadcrumbs-optimized.js should be replace for xslt code to produce proper html, xhtml or what ever output code we feel is necessary.

20. Cocoon.xconf is misconfigured in WAR

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-133>

When building a war file, the generated WEB-INF/cocoon.xconf file contains absolute paths to the resources, content, catalogs etc of the webapp as found on the development computer. This brakes the war when installed in a servlet container. Manually editing cocoon.xconf after installing the war fixes the issue.

 [While I wrote this bug report, nicolaken wrote an UPDATE about what looks like the same issue. But since I could not find a bug report covering it, I found it better to file the report as not to forget to test against it later on.]

21. Creating PDF out of muti-language documents

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-132>

When you transform a document with other characters than latin to PDF, in spite of the unicode(UTF-8) of the original file all characters get broken and isn't readable. please, does anyone have a simple solution for this?

22. forrest.validate.excludes on forrest.properties does not work

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-130>

The property forrest.validate.excludes in the file forrest.properties is not working properly.

 We can inform a comma separated list of path pattern not to include in the validation, but, it does not work. At validation time, everything is validated. Unless, we set validate=false

23. Give forrestbot the ability to upload the breadcrumbs.js file

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-129>

(From the XML Apache FOP team)

 As discussed here [1], after running the publish command from the forrestbot we need to manually update the breadcrumbs.js within xml-site/targets/fop/skin directory [2]. (The forrestbot overwrites our breadcrumbs.js with a version that does not work.)

 I see no way to currently switch the buggy version that the Forrestbot uses to overwrite the breadcrumbs.js file.

 As an enhancement, to save us the need for the manual reversion everytime we publish the site, give Forrestbot the ability to read content/skin/breadcrumbs.js in our project directory [3]), and use *that* file when it publishes to xml-site.

 Of course, content/xdocs/* and content/skins/** already transfer over (as defined here [4], also see [5][6] for the Forrest site, for example.) We just need the ability for content/skin/breadcrumbs.js to do the same.

 Thanks,
 Glen Mazza
 Apache FOP Team

 [1] http://marc.theaimsgroup.com/?l=forrest-dev
 [2] http://cvs.apache.org/viewcvs.cgi/xml-site/targets/fop/skin/breadcrumbs.js
 [3] http://cvs.apache.org/viewcvs.cgi/xml-fop/src/documentation/content/
 [4] http://xml.apache.org/forrest/forrest-contract.html#TheProject
 [5] http://cvs.apache.org/viewcvs.cgi/xml-forrest/src/documentation/content/skins/skins.xml
 [6] http://cvs.apache.org/viewcvs.cgi/xml-site/targets/forrest/skins/

24. Tabs and their Menus

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-128>

When a tab is selected all the site's menus are shown. Only when one is chosen do these menu's become specific to the tab. I had to hard-code some stuff into site2site-selectnode.xsl to get the behaviour I wanted.

 I think an extra stage in the pipeline to shape the menu's required by tab would be an improvement.

 The current mix of book and site definition is very confusing and now with multiple tab levels is likely to become unmanageable.

 Please keep it simple otherwise the tool becomes unusable for new adopters,

 Thanks all the same

25. Tab Menu behaviour

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-127>

For the following site.xml :-

 <?xml version="1.0" ?> <site label="Hill Crest" href="http://hillcrest.org" xmlns="http://apache.org/forrest/linkmap/1.0" >
 <tab label="home" >
 <children label="Childrens Services" href="http://hillcrest.org/childrens" >
 <bartons label="The Bartons" href="http://hillcrest.org/bartons.html" >
 <description label="Bartons" >
 <pentwyn label="Pentwyn" href="http://hillcrest.org/pentwyn.html" >

description="Pentwyn" />
 <slinfol label="Slinfold" href="slinfol.html" description="Slinfold" />
 <leyton label="Leyton" href="leyton.html" description="Leyton" />
 <norwood label="Norwood" href="norwood.html" description="Norwood" />
 <kingsbromley label="Kings Bromley" href="kingsbromley.html" description="KB" />
 </children>

 <disability label="Learning Disability Services" href="disability/" tab="disability">
 <penge label="Penge" href="penge.html" description="Penge"/>
 <penge label="Vernon" href="vernon.html" description="Vernon"/>
 <penge label="Beach Road" href="beachroad.html" description="BR"/>
 <penge label="Keston" href="keston.html" description="Keston"/>
 </disability>

 <foster label="Fostercare" href="foster/" tab="foster">
 </foster>

 <education label="Education" href="education/" tab="education">
 </education>

 <referral label="Referral" href="referral/" tab="referral">
 </referral>

 <recruitment label="Recruitment " href="recruitment/" tab="recruitment">
 </recruitment>

 </site>

 and the following tabs.xml

 <tabs software="MyProj"
 title="MyProj"
 copyright="Foo"
 xmlns:xlink="http://www.w3.org/1999/xlink&quot;"/>

 <tab id="home" label="Home" dir="" indexfile="index.html"/>
 <tab id="children" label="Children's Services" dir="children" indexfile="index.html"/>
 <tab id="disability" label="Learning Disability Services" dir="disability" indexfile="index.html"/>
 <tab id="foster" label="Fostercare" dir="foster" indexfile="index.html"/>
 <tab id="education" label="Education" dir="education" indexfile="index.html"/>
 <tab id="referral" label="Referral" dir="referral" indexfile="index.html"/>
 <tab id="recruitment" label="Recruitment" dir="recruitment" indexfile="index.html"/>

 </tabs>

 The tabs are not selected when clicked. i fixed this by changing the
 tab2menu.xml template to this :-

 <xsl:template match="tab" mode="level1">
 <xsl:choose>
 <xsl:when test="@id and @id = \$matching-id">
 <xsl:call-template name="selected"/>
 </xsl:when>
 <xsl:when test="not(@id) and @dir = \$longest-dir or @href = \$longest-dir or @dir = \$longest-dir ">
 <xsl:call-template name="selected"/>
 </xsl:when>
 <xsl:otherwise>
 <xsl:call-template name="not-selected"/>
 </xsl:otherwise>
 <xsl:choose>
 <xsl:template>

 The long test is not correct because it assumes an id is not being used and therefore does not check the directory.

 It would be much better if forrest had a single way of defining tabs and menus

26. Add a "screen" tag

<http://issues.cocoonddev.org/jira/ViewIssue.jspa?key=FOR-126>

The purpose of the screen tag is to show the results of running a command.
 An alternative name would be output.
 The tag would function like the source tag except it would usually be rendered in a different color more evocative of console output.
 White on black would be a common option.

27. Text Ouput

<http://issues.cocoonddev.org/jira/ViewIssue.jspa?key=FOR-125>

Please provide the option of generating formatted plain text output.
 All request ending in .txt should generate a plain text output.

 Word wrapping should default to 80 characters
 It should allow for as much formatting as possible
 Including:
 lists
 indents
 tables
 footnotes to hyperlinks
 Strong and em.

28. The SVN repository needs some configuration tweaks

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-124>

Apache infrastructure@a.o has converted our repositories from CVS to SVN. Now we (Forrest) need to tweak its configuration.

 For example, being an opensource project, we have developers using multiple operating systems so we need to attend to the `<code>svn:eol-style</code>` property. This has been commenced but there are some issues. See <http://marc.theaimsgroup.com/?l=forrest-dev&m=108000337929621> and recent messages to infrastructure@a.o

 We also need to convert our old `<code>svn:ignore</code>` files to use the `<code>svn:ignore</code>` property.

29. licensing

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-123>

put apache 2.0 license on all source files

 determine any non-apache dependencies (jars)

 ensure that all jars have an accompanying XXX-license.txt

 highly suggested to remove `<code>author</code>` tags in *.xml and @author in *.java

 See some tools in the `<code>committers</code>` CVS module: `<code>cvsv/committers/relicense/</code>`

 `<code>cvsv/committers/tools/</code>`

 See some other notes in our repository at forrest/etc/relicense.txt

30. Email obfuscation -- `<code>incorrect</code>`

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-122>

Out of this thread,
 I seems that the Email obfuscation should be configurable on its algorimt.

 <http://nagoya.apache.org/eyebrowse/BrowseList?listName=>
 forrest-dev@xml.apache.org `&by=thread&from=652340`

31. Fix build process to include JAR libs in WAR file again

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-118>

JAR files required for a Forrest-built webapp to run are no longer copied to the build hierarchy as announced by Nicola Ken on Jan 26. The WAR archives created by `<code>forrest war</code>` therefore don't contain these required libs anymore and can't be deployed out of the box.

 A possible fix for this issue is to have `<code>src/core/targets/war.xml</code>` include the core and optional JARs directly from `<code>${forrest.home}</code>`, using the Ant War task.

32. images-dir incorrect in default site

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-114>

Using a brand new directory structure with a freshly seeded site a number of errors are generated at build time. These are regarding missing images at the point when the pdfs are being generated.

 The default location for the `<code>project-logo.gif</code>` in a freshly seeded site is `<code>src/documentation/content/xdocs/images/project-logo.gif</code>` whereas the default location used by the build is `<code>src/documentation/resources/images/project-logo.gif</code>`.

 The workaround for now is to uncomment the following lines in `<code>forrest.properties</code>`:

 `<code>project.content-dir...</code>`
 `<code>project.xdocs-dir...</code>`
 `<code>project.images-dir..</code>`

 Set `<code>project.images-dir</code>` to `<code>${project.xdocs-dir}/images</code>`.

 This is discussed in the following mailing list thread:

 <http://marc.theaimsgroup.com/?t=107582031900001&r=1&w=2>

33. [PATCH] Use on Windows 98

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-113>

There are a lot of NT specifics in Forrest batch files (@setlocal, %~dp0...) that prevent them to be run on Windows 98.

 It would be nice to have this compatibility :->

 The most difficult part may be to emulate the setpwwdvar.bat for NT. Here is a code snippet that does the trick :

 @echo off
 echo @prompt set PWD=\$p\$ _ > _temp_A.bat
 %comspec% /e:2048 /c _temp_A.bat > _temp_B.bat
 call _temp_B.bat
 del _temp_?.bat

 Hope this helps.

 Cheers,

 p.b.

34. Seem to get all tab menus, not default tab's menus.

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-111>

With this site.xml and with this tabs.xml:

 These are ok:

 http://lsd.student.utwente.nl/gump/
 http://lsd.student.utwente.nl/gump/gump_stats/index.html

 but these (it seems, in sub-directories) do not:

 http://lsd.student.utwente.nl/gump/ant-contrib/ant-c

 [they have all menu options, not the default's tabs menu options]

 I assume it is to do with me putting things in directories other than ones named in the tabs.xml, but I thought this set the defaults:

 <site
 tab="home">

35. forrest pregenerating the .htaccess file to do some sort of poor-man multichannel or content negotiation

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-109>

Stefano, who has been waiting for some 18 months for somebody else to come up with the idea of having forrest pregenerating the .htaccess file to do some sort of poor-man multichannel or content negotiation, but has lost hope so it's time to inject notion in the system.

36. Put DTDs on Forrest site

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-107>

We should find a way to put the DTDs on the Forrest website, so that the xdocs can find the right DTD. Editors like Eclipse and JEdit can validate and auto-complete the XML while you type if the DTD can be found, so it'd be nice to be able to take advantage of this.

37. investigate use of Cocoon Ant Task

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-102>

Forrest could benefit from the new Cocoon Ant Task.
 http://marc.theaimsgroup.com/?l=xml-cocoon-dev&m=107209347805171

38. Move to RelaxNG (with auto generated DTD's for editors)

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-101>

The thread at <http://marc.theaimsgroup.com/?l=forrest-dev&m=106571777032625&w=2> generated a number of +1's for using RelaxNG and autogenerating the DTD's from these. We need this in order to use namespaces...

39. indirect linking and anchors

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-95>

I would be nice if Forrest supported anchors with indirect linking. That is, something like this: `<link href="site:somepage#someanchor">` (or something similar, like `<link href="site:somepage" anchor="someanchor">`)
If somepage pointed to somepage.html, then the resultant link would be somepage.html#someanchor.
Using the above link currently fails with an `"invalid xpath"` error since `"site:somepage#someanchor"` is not a valid QName.

40. flat navigation

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-91>

I'm looking for a way to only display navigation links for files/folders in the current directory.
I think a good way to think about this is like you would as you click through directories in Windows' My Computer (there is no directory tree here, only icons).
When you first open it, you see the root directory of your site. You see files and the icons for any folders. You don't see any of the files inside those folders.
Next, you click on a folder. Now, you see the files and folders in this directory, but not anything in the folders it contains, or from the folder you just came from.
See the mailing list thread here: <http://marc.theaimsgroup.com/?t=107007134500002&r=1&w=2>

41. forrestbot2: clean, notify after failure

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-81>

Add a 'clean' target for forrestbot.
If the 'site' target fails, continue so that 'notify' will happen.

42. Some TOC links do not work

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-64>

Recently I noticed that some toc-links do not work in a generated html-file.
When I looked at the html-code, the links that don't work are quite funny:
---snip---
``
`<a xmlns:xhtml="http://www.w3.org/1999/xhtml" href="http://www.w3.org/1999/xhtml">`
`"#Die+Grundstruktur+eines+Dokumentes"``>``Die Grundstruktur eines Dokumentes```
``
``
`<a xmlns:xhtml="http://www.w3.org/1999/xhtml" href="http://www.w3.org/1999/xhtml">`
`"#Abs% E4tze% 2C+Listen% 2C+% DCberschriften"``>``Abs``ätze,``Listen,`
`Überschriften```
``
``
`<a xmlns:xhtml="http://www.w3.org/1999/xhtml" href="http://www.w3.org/1999/xhtml">`
`"#0A++++++Textformatierung% 2C+Hyperlinks% 2C+Grafiken% 0A++++++"``>`
`Hyperlinks, Grafiken`
``
---snip---
the first link is okay, the next two links do not work (I swear the xml-code is just the same ;-).
I use forrest-0.6dev, krysalis-skin but the links are broken in forrest-skin, too.

43. move upgrade_cocoon_jars.sh to an ant target

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-58>

To allow people from other platforms to upgrade to a newer version of cocoon a ant script would be needed.

44. Port javascript menus to all skins

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-54>

Nicola has implemented some nice JS menus for the krysalis-site skin. We should:
 a) Port it to the other skins
 b) Make it configurable via skinconf.xml (or otherwise). Two aspects could be configurable:
 - Whether the menus should be open/closed by default
 - Whether Javascript is used at all
 See forrest-dev thread 'Menu questions' for more info.

45. xlink problems with SVG files

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-53>

1) Images used inside SVG files don't appear
 ex:
 <image x="69" y="48" width="286" height="84" xlink:href="image.jpg"/>
 in a SVG file will fail (i.e will display the 'broken image' icon)
 even though the image.jpg exists in the same directory.
 2) If a shape declared in the 'defs' part of the SVG makes use of another shape declared in 'defs', then the PNG generation will fail with the following error :
 [org.apache.batik.bridge.BridgeException: null:-1 An I/O error occurred while processing the URI '#test' specified on the element <use>]
 where 'test' is the id of the used shape.
 below is a sample content for such an SVG file :
 <defs>
 <g id="test">
 <rect fill="none" stroke="rgb(0,0,0)" stroke-width="2" width="20" height="15"/>
 </g>
 <g id="usetest">
 <use x="20" y="25" xlink:href="#test"/>
 </g>
 </defs>

46. Generating content pages with non .html extensions

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-32>

I would really (really, really) like to be able to tell forrest what file extension to use during output.
 In my case, I want to use forrest to define the structure of a site... however I want it to output JSP files. I've tried 'just doing it' and of course it didn't work.
 The optimal thing would be to add a stylesheet for JSP, so you could create the site as a JSP site, and have forrest output it... however I don't have the time (for this project anyway) to write up the stylesheets (I'd have to learn xsl as well, which would not be quick task).
 Just an enhancement... in my case not having it prevents me from using forrest (this time; I'm rather sad about that), but I see a future version where I can use it to make life easier.

47. WAI ideas

<http://issues.cocoondev.org/jira/ViewIssue.jspa?key=FOR-24>

As per
 href="http://xml.apache.org/forrest/compliance.html#N1003A">http://xml.apache.org/forrest/compliance.html#N1003A
 One postulate that could be easily achieved for viewing the site with lynx (or redhat's links) ASCII browser is [Priority 3] (Checkpoint 13.6)
 href="http://www.w3.org/TR/WCAG10-TECHS/#tech-group-links">http://www.w3.org/TR/WCAG10-TECHS/#tech-group-links.
 One option is to use the MAP as in
 href="http://www.w3.org/TR/WCAG10-HTML-TECHS/#group-bypass">http://www.w3.org/TR/WCAG10-HTML-TECHS/#group-bypass
 or how I did it and contend that it better renders graphically as well as ASCII-wise is:
 1) after <div class="menu">, add
 <a href="#contentStart" style="line-height: 0px;border:

none;">
 <img src="../skins/common/images/1PxTranspa.gif"
 alt="Bypass Navigation Bar" />
 2) after <div class="content">
 add

 What do you think?

 Re 1) I tried to add this in book2menu.xml as
 <xsl:template match="menu">
 <div class="menu">
 but unfortunately, it was ignored...

48. wrong date when doing "forrest run";

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-19>

As per your suggestion, I did use jetty now, but strangely,

 the page footer says:
 "Last Published: January 1, 1970 GMT";

49. support multiple languages (i18n)

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-18>

In my current environment to develop static multilingual web-sites, I use an ant build.xml and the m4 macro preprocessor to achieve the following (sample):
 1) index.en.m4 gets converted to index.en.html
 The *.en.m4 contains all language dependent text (similarly *.de.m4 for German) and includes
 index.m4 that contains the page's content layout.
 [(^\.)+].m4 includes sitedef.m4 where I define all global parts of the website (e.g. navigation structure, unique content e.g. phone numbers, filenames, etc.). This in turn includes a sitedefs.en or sitedef.de, ... respectively for global, language dependent definitions.
 2) Dependencies
 a) upon change of [(^\.)+].m4, all depending *.LANG*.html get rebuilt
 b) upon change of sitedef.m4, build.xml, and alike all *.html gets rebuilt
 c) upon change of sitedefs.en all *.en.html get rebuilt.

 Obviously, I could use the exact same approach to create .xml wherever I created .html before, but my long-term goal is to get rid of m4. Has anybody already put some thought into how this would be done with forrest?

50. support for emacs compile

<http://issues.cocoondev.org/jira//ViewIssue.jspa?key=FOR-17>

in my current environment, each file has the footer
 <!-- For emacs: -->
 <!-- Local Variables: -->
 <!-- eval:(setq compile-command "ant") -->
 <!-- End: -->

 such that I can compile the entire website out of any file.
 What I suggest to do the same for forrest.
 Obviously, I could write a little script "doforrest" as the compile command that does a
 pushd myproject/build
 forrest
 popd
 but perhaps you have already found smarter solutions?
