

Using the provided XML file (animals.xml) **complete the given stylesheet** (TA4.xsl) to generate an output pdf document that looks as close to the given result (result.pdf) as possible

### Provided files

**animals.xml** – An XML file that describes a list of animals

**TA4.xsl** – An incomplete transformation file

**images folder** – All the images you could possibly need. Do not change these image's names, keep these images inside a directory called **images**, do not re-upload the file

**result.pdf** – What your final PDF should roughly look like, it does not have to look **exactly** the same but the general structure (header, footer, title) should exist. You will not be penalised if your margins and paddings are slightly off.

### Task

- Before editing **TA4.xsl** set up your *fop* environment and render a testing pdf document with the files provided by running the fop command:

*fop -xml animals.xml -xsl p4.xsl -pdf testing.pdf*

This should render a blank two-page pdf. Remember to check the error messages provided in the console if your PDF is not created. Some of the most general error includes:

- *Forgetting to close old versions of the pdf before rendering new version*
- *Forgetting to place content in <fo:block> tags*
- *Forgetting to close tags*
- *Giving your <fo:flow> a flow-name attribute*

- Keep the following in mind:
  - You do not have to use the exact colour as **results.pdf** for any of the colour section, but there needs to be colour. This applies to the text, borders and background of the pdf.
  - You **must** retrieve the data from the source XML wherever possible.
  - Make sure you reference your images as if they are **always** situated in the **images** folder.  
ex. images/thegreatestllamasongever.png
  - Header and footer data **must** repeat for every page in their sequence. The page number in the footer must be generated **automatically**.
  - You will need to use some conditional statement and other XSL functions.
  - An animal's data must all appear on one page.
  - You are welcome to add additional margin and padding to your final document.

### WARNING:

If you uploaded XML stylesheet cannot generate a working PDF. You will receive zero for this assignment

### Submission

- **Compress** your final XSL-FO stylesheet (TA4.xsl) into an archive named **TA4.zip**.
- Submit your ZIP file to the upload slot provided on clickUP before the deadline.
- Ensure that you have a backup of your final submission.