

Documentation for making of souvenir

In this documentation I tried to explain the procedure for making of souvenir. This procedure is after filling the data in the Souvenir(Yaadein)

Software requirements

- Latex
 - Installation: `$ sudo apt-get install texlive-full`
- sam2p : Image format converter
 - Installation: `$ sudo apt-get install sam2p`

Need of files and folders

Following files and folders are required for making of souvenir.

1. Folders

- files: Previously it should be empty. After retrieving the images, folder contains images
- headfoot: contains footer.eps and footer.eps is the image for footer and this can be designed using gimp or any other software

2. Files

- php files
These are described below
- final.tex
In this file, filebranch.tex files are included(like filecivil.tex, filecomputer.tex etc) and this is the file from which final.pdf will be produced.
- Scripts
batchrename.php, cropper, eps, souvenir.run, souvenirnophp.run. All these are described below

3. sty files

lastpage.sty, wallpaper.sty, shapepar.sty. These are latex style files.

4. header eps files sgeachcehead.eps, sgeachcsehead.eps, sgeachecehead.eps etc. These are header files which appear at the top of final.pdf file. These can be made with gimp or any other software

Retrieve the data from database

After filling data in the souvenir, retrieve the data from the database. Following is the procedure for retrieving data:

- Require php files
 1. db.php This file is for connectivity of database. You have to replace dbuser, dbpass, dbname created during installation of souvenir.
 2. raiSED.php This file is for defining the latex terms like #, %
 3. querydav.php This file is for selecting the data which is to be retrieved
 4. branch.php(branch can be civil, computer, it, electrical etc like civil.php)
In these php files, db.php, raiSED.php and querydav.php are included. This file also explains the format of output.

Get the images

Images stored in the files folder (/usr/local/lib/python2.6/dist-packages/django/contrib/admin/media/files) are retrieved and convert these in the format 'S2011classrollno.'. Procedure for this is:

1. Require batchrename.php In this file, it is explained that in which format image is received. Before running this file you have to replace with own creates dbuser, dbpass and dbname
 - Commands for to run batchrename.php file:

```
$ php batchrename.php >retriever
$ chmod u+x retriever
$ ./retriever
```
2. Crop the images For this run script 'cropper' which is given in the package
 - Commands to run cropper script:

```
$ chmod u+x cropper
$ ./cropper
```
3. Convert png format to eps of images For this run script named 'eps' which is given in package.
 - Commands to run eps file:

```
$ chmod u+x eps
$ ./eps
```

Compile php files for data retrieval

Firstly run file `souvenir.run`(given in this package) which creates the `filebranch.tex` file(branch can be civil, computer, etc like `filecivil.tex`). Secondly run file `souvenirnophp.run`(also given in this package) which creates the `final.pdf` file.

- Commands to run the `souvenir.run`
\$ `chmod u+x souvenir.run`
\$ `./souvenir.run`
- Commands to run `souvenirnophp.run`
\$ `chmod u+x souvenirnophp.run`
\$ `./souvenirnophp.run`

`final.pdf` is the final output file.

Script

Script for making of `souvenir` is also given in this package named '`script.sh`'. Before running the script, following files and folders are required:

- empty folder named files
- headfoot folder
- branch.php files (`civil.php`, `computer.php`....etc)
- `db.php`, `raiSED.php`, `querydav.php`
- Scripts: `batchrename.php`, `cropper`, `eps`, `souvenir.run`, `souvenirnophp.run`
- style files: `wallpaper.sty`, `lastpage.sty`, `shapepar.sty`
- `final.tex` file
- Command to run script:
\$ `sh script.sh`