

Implement Features in

Meilix Generator

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Email

	<input type="text" value="Enter email"/>
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Name of your Distribution

<input type="text" value="Enter name"/>

Browser Home Page

<input type="text" value="Enter link"/>

Default Search Engine

<input type="text" value="Enter link"/>

Choose Either ON or OFF:

Tweaks	OFF/ON
Notification	<input type="checkbox"/>
Screensaver	<input type="checkbox"/>
Sleep Modus	<input type="checkbox"/>
System Sounds	<input type="checkbox"/>
Bookmarks	<input type="checkbox"/>
Screen Diming	<input type="checkbox"/>
Power Management Saving Feature	<input type="checkbox"/>
Taskbar Autohide	<input type="checkbox"/>

Briefly:

- Alter tweaks from webapp
- Install packages into Meilix
- Set wallpaper
- Give homepage and search engine link

Overall to manipulate Meilix from webapp which is possible through changing code at present.

Check the packages which you want to install:

Package	Checkbox
Chromium	<input type="checkbox"/>
Firefox	<input type="checkbox"/>
Hangout	<input type="checkbox"/>
VLC	<input type="checkbox"/>
GIMP	<input type="checkbox"/>
Inkscape	<input type="checkbox"/>
LibreOffice	<input type="checkbox"/>
Git	<input type="checkbox"/>
Dropbox	<input type="checkbox"/>
NextCloud	<input type="checkbox"/>

Upload Wallpaper

Browse

Build

Frontend Side

Adding package in webapp as such in [index.html](#)

Here we focused on input name and its id that we will use in future.

```
<input name = "GENERATOR_package_vlc" type = "checkbox" value = "vlc" id = "vlc">
```

Installer Script

```
cat /meilix-generator/scripts/vlc-package.sh
```

```
#!/bin/bash  
if echo "$GENERATOR_package_vlc" | grep -q vlc; then  
sudo apt-get install -q -y vlc; fi
```

Meilix build script will call this script if the user requests it on the webapp.

Line 2 confirms that if the vlc is checked or not, if it checked then only it proceeds to next line.

Transfer all new variables from index.html automatically through app.py

cat app.py

```
variable={}
for name, value in request.form.items():
    if name.startswith("GENERATOR_"):
        variable[name] = value
```

Implementation Part

Adding code in Meilix build.sh script

```
SCRIPT_URL=https://github.com/fossasia/meilix-generator/trunk/scripts  
svn checkout $SCRIPT_URL  
SCRIPTS_FOLDER_IN_ZIP="scripts"  
ls $SCRIPTS_FOLDER_IN_ZIP; do  
$SCRIPTS_FOLDER_IN_ZIP/script; done          #execute all scripts
```

This script will go to the scripts folder and execute each and every script
So if the checkbox is checked, then the package gets installed otherwise not.

What does it take to complete the process

- Issues
 - <https://github.com/fossasia/meilix-generator/issues/132>
- Documentation
 - As we will be successful in implementing one feature through this way, we will document it for making it easy for one to contribute.

Meilix generator build process

Step 1: Fill in the
index.html

Step 2: App.py on
heroku generates
travis config

Step 3: Travis
downloads scripts

Step 4: Travis builds
the ISO

Step 5

Travis uploads the
ISO