

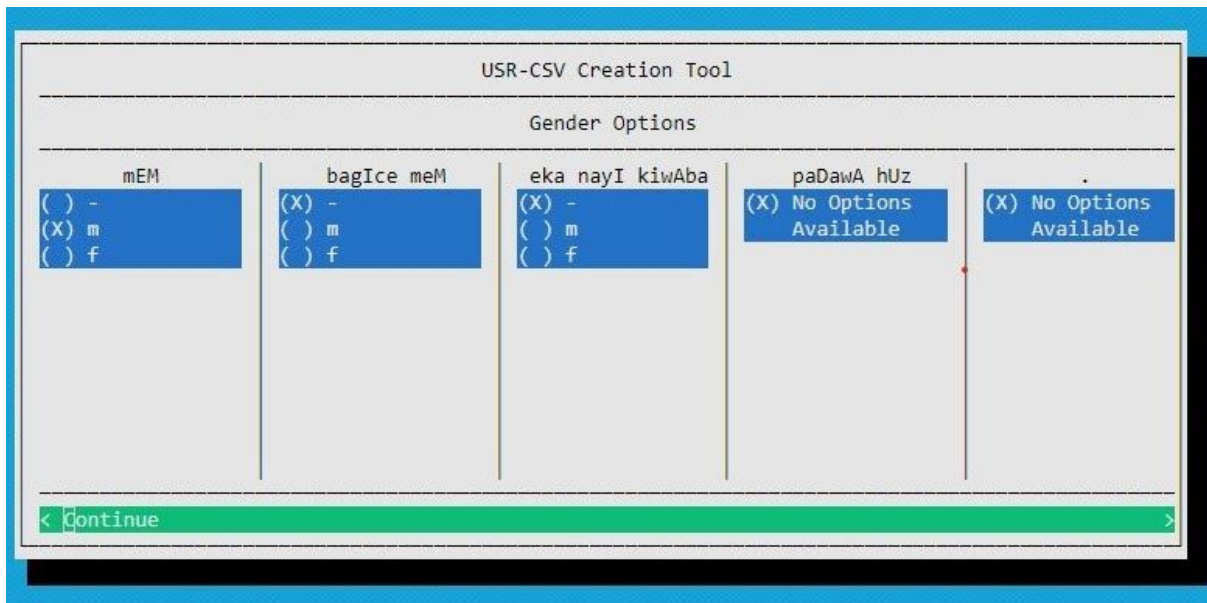
USR CSV Generation

The project implements a tool that generates all rows of the usr.csv file for a given Hindi sentence.

The program is interactive i.e. it assists the user by asking for their choices and creates the usr.csv file accordingly.

It shows the user a Textual User Interface with multiple options to choose from with the most relevant one chosen by default, which the user can easily change to generate a better usr.csv file.

The options shown are based on the details about the words/phrases obtained from the parser, so for example, it shows gender options for noun phrases but not for verb phrases.



The screenshot displays the 'USR-CSV Creation Tool' interface. It features a section titled 'Gender Options' with five columns, each corresponding to a Hindi phrase. The first three columns show gender selection options (m for male, f for female), while the last two show 'No Options Available'.

mEM	bagIce meM	eka nayI kiwAba	paDawA hUz	.
<input type="radio"/> - <input checked="" type="radio"/> m <input type="radio"/> f	<input checked="" type="radio"/> - <input type="radio"/> m <input type="radio"/> f	<input checked="" type="radio"/> - <input type="radio"/> m <input type="radio"/> f	<input checked="" type="radio"/> No Options Available	<input checked="" type="radio"/> No Options Available

At the bottom, there is a green bar with the text '< Continue >'.

Installation:

To install, run the following command:

```
$ sudo bash install-project.sh
```

Please make sure you have a good data pack before running the above script, because one of the files it downloads is 1 GB in size. If you want to download the file manually, you can comment out lines 17-18 in the script and download it from the link [USR-csv.tgz](https://github.com/USR-csv). Run the script after the download completes.

USR CSV Generation:

To generate a usr.scv file, run the following command:

```
$ python3 make-usr-csv.py inp-1-utf8
```

to run the script in default mode.

OR

```
$ python3 make-usr-csv.py inp-1-utf8 --edit
```

to run the script with the Textual User Interface (recommended).

Files with the name `inp-x-utf8` present in the `USR-csv` directory, `x` being a number are all input files. These contain an input sentence in Devanagari with words separated by spaces and groups separated by parentheses. Replace `inp-1-utf8` with the name of a file you created to generate a `usr.csv` file for it.

Finally, if you face any issues, please comment here. I will try to fix them as soon as possible.

Troubleshooting Steps:

If you face `urwid locale.Error` error message, while running `make-usr-csv.py` script, please consult the answers listed [here](#).

If nothing works, feel free to contact at shubham.avasthi.chy16@iitbhu.ac.in.