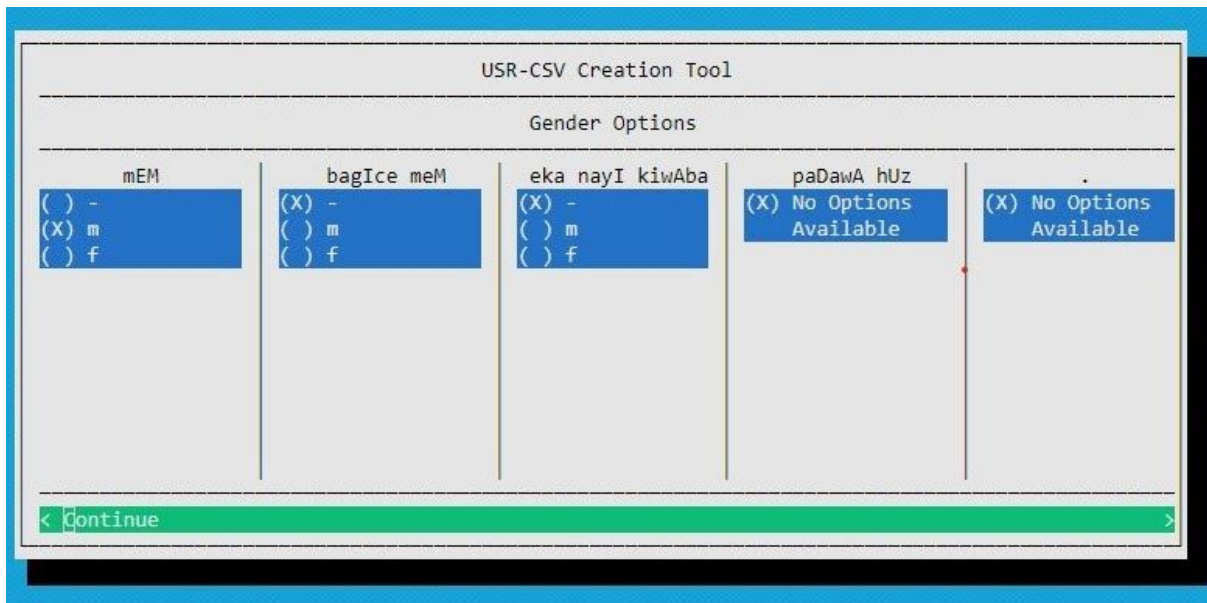# USR CSV Generation

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.

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. 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*.