Product Backlog „Homework Task – CPU info"

Backlog Items:

- **unfinished:**
  - upload to GitHub
  - send link to recruiter
  - change code to read, process and display real /proc/cpuinfo files
  - install linux
  - install Qt on linux
  - transfer code to linux
  - test functionality and stability (see Test Specification)
  - refine design

- **done:**

  - define minimal qml-resource files demonstrate concept (e.g. List Elements, Buttons)
  - define minimal qml-file to demonstrate concept
  - define artificial /proc/cpuinfo file for testing/demonstration purposes ("demofile")
  - read and process"demofile"
  - display content of "demofile" the application based in demo qml-file

User Story:

- Open opening, the list containing the processed CPU information should be empty. A message shall be displayed in a text field to inform the user that the data is currently not available
(the idea is that the application starts even if the parsing of the CPU information is still buggy)
- The user can start the parsing of /proc/cpuinfo by pressing an appropriatly labeled button
- When the file is read, a text field shall inform the user about the status (e.g. "file not found", "file invalid", "file read successfully")
- A text field shall inform the user about the the total number of CPUs found and the number of the currently selected CPU
- The data shall be displayed in a flickable list
- the list shall show the information for only one CPU at a time
- The user can switch between the different CPUs using buttons marked with "+" and "-" icons
- long strings that do not fit the List Elements shall be clipped or replaced. This shall be clearly indicated (e.g. By substitution of the original string with "...")
- In order to display clipped data, the user can expand the clipped List Element by clicking on it. The expanded List Elements display the complete text in a larger text field.
- The user can close the expanded view and return to the default view by clicking a close button in the expanded List Element. This close button shall be easily recognizable (e.g. a square in the upper right corner marked with "X")