Battery Bench: Bring battery testing back to the future

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Google Summer of Code 2020
About me

- BSc in Computer Science and Business Management
- MSc in Intelligent Systems
- MBA in International Businesses
- MBA in Financial Audit
- PhD Student in Business, Internet and ICT at ULPGC
- GSoC 2017 contributing to wxWidgets
About the project

**gnome-battery-bench** is a battery testing software.

You can run and develop tests in order to check how they impact on battery life.
Project main objective

Improve laptops battery performance on GNOME future versions.

Summer main milestones:
- Port project to Wayland (using libevdev instead of X11).
- Solve issues on bugtracker.

How to check out the project?

```bash
git clone https://gitlab.gnome.org/GNOME/gnome-battery-bench.git
```
How libevdev works?

```c
struct libevdev *dev = NULL;
int fd = open("/dev/input/event0", O_RDONLY|O_NONBLOCK);
int rc = libevdev_new_from_fd(fd, &dev);
# Error checking

do {
    struct input_event ev;
    rc = libevdev_next_event(dev,
        LIBEVDEV_READ_FLAG_NORMAL, &ev);
    if (rc == 0)
        printf("Event: %s %s %d
", 
            libevdev_event_type_get_name(ev.type),
            libevdev_event_code_get_name(ev.type, ev.code),
            ev.value);
} while (rc == 1 || rc == 0 || rc == -EAGAIN);
```
Questions?

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