01PRD – Ambient Intelligence

Lab 3 – Python Software

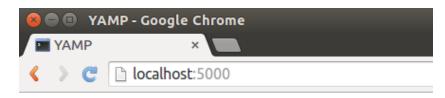
Dario Bonino, Luigi De Russis

LAB 3 – PYTHON SOFTWARE

EXERCISE – WEB-BASED MP3 PLAYER

Write a web application, based on the flask framework¹, to implement a web-based version of the mp3 player with equivalent functional requirements of the previous laboratory (exercise 1 and 2). You can reuse the code realized for the previous lab, or start from the solution available at <u>https://github.com/AmI-2015/python-lab2</u>.

The web application should display, in its main page (see Figure 1), a list of all the tracks present in a specified folder (in the format "*ID* – *title*" of the track).



Tracks

- 0 Storyline, more...
- 1 ... Interlude, <u>more...</u>
- 2 When Did You Stop Loving Me, more...
- 3 You Think You Know Somebody, more...
- 4 Tattoo, <u>more...</u>
- 5 Still Fallin', more...
- 6 Wild Card, more...
- 7 Flashlight, more...
- 8 Invisible, more...
- 9 Like I Was Saying (Jam), more...

Figure 1 - Index

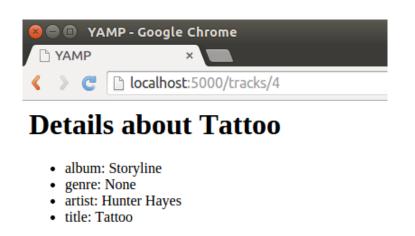
By clicking on the "*more…*" link of each track, a new page (published at the relative URL *tracks/<track_id>*, see Figure 2), will present all the details (i.e., the indexed information) of the selected track and two buttons: "play" and "stop", to start and stop the execution of the chosen track, respectively. The two buttons can be realized as two forms.

¹ the examples shown in class are published on GitHub: <u>https://github.com/AmI-2015/Flask-ex1</u>

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Play

Stop

Back to home

Figure 2 - Track details