BORDERS
MULTIMEDIA PROJECT ON LANGUAGES AND COMMUNICATION

PESARO — 15 JUNE 2017 — *Borders* is a multimedia project on languages and communication. It comprehend an editorial project and an interactive installation that has been designed and developed by Andrea Zangheri, who is currently studying at the Academy of Fine Arts of Urbino at the Department of Applied Arts — New Art Technologies.

The editorial project is composed of four books — 7x14 centimeters each, closed format.
The X-PER 140 grams paper has been utilized for the inside pages and the X-PER 320 grams board has been utilized for the softcover, both from Fedrigoni paper mills. Each book is 60 pages long and 0,5 centimeters thick.

The typeface utilized for the entire project is Noto Sans developed by Google.

The box containing books is composed by two L shaped elements that form a square when combined. Both pieces have an intern groove as thick as the book in order to allow the insertion of the latter. The material utilized for the box is the medium-density fiberboard 5 millimeters thick covered by black all laminate 0,9 millimeter thick. The laminate has been utilized for its characteristic resistance to scratches and fingerprints.
Books have a functional role in the closure of the box since they permit its closure by friction. For this purpose, for each book it has been added a 220 grams paper cover from Fabriano paper mills, in order to protect them from ruining when inserted and when extracted from the box.

A 7x7 centimeters closed format double gate fold brochure and a 50x70 centimeters poster has been designed for advertising and promotional purpose.

Borders has been released in a limited edition of 3 copies.

The application is based on HTML, CSS and JS, and it's executable from browser. It has been developed using p5.js core library and other p5 libraries, in particular: p5.dom to interact with HTML DOM elements; p5.speech to access web speech and speech recognition APIs; rita.js, which is a library for computational literature; arpaToIPA.js has been utilized for converting arpa alphabet to IPA alphabet.
The application supports speech recognition and motion recognition. Inputs are received from microphone and webcam. Graphic and sound outputs are displayed on the screen and emitted through speakers.

Google Chrome is the only browser that fully support the application.

For more information about the project contact the author or see the related press release.

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