

Web Audio Evaluation Tool: A framework for subjective assessment of audio

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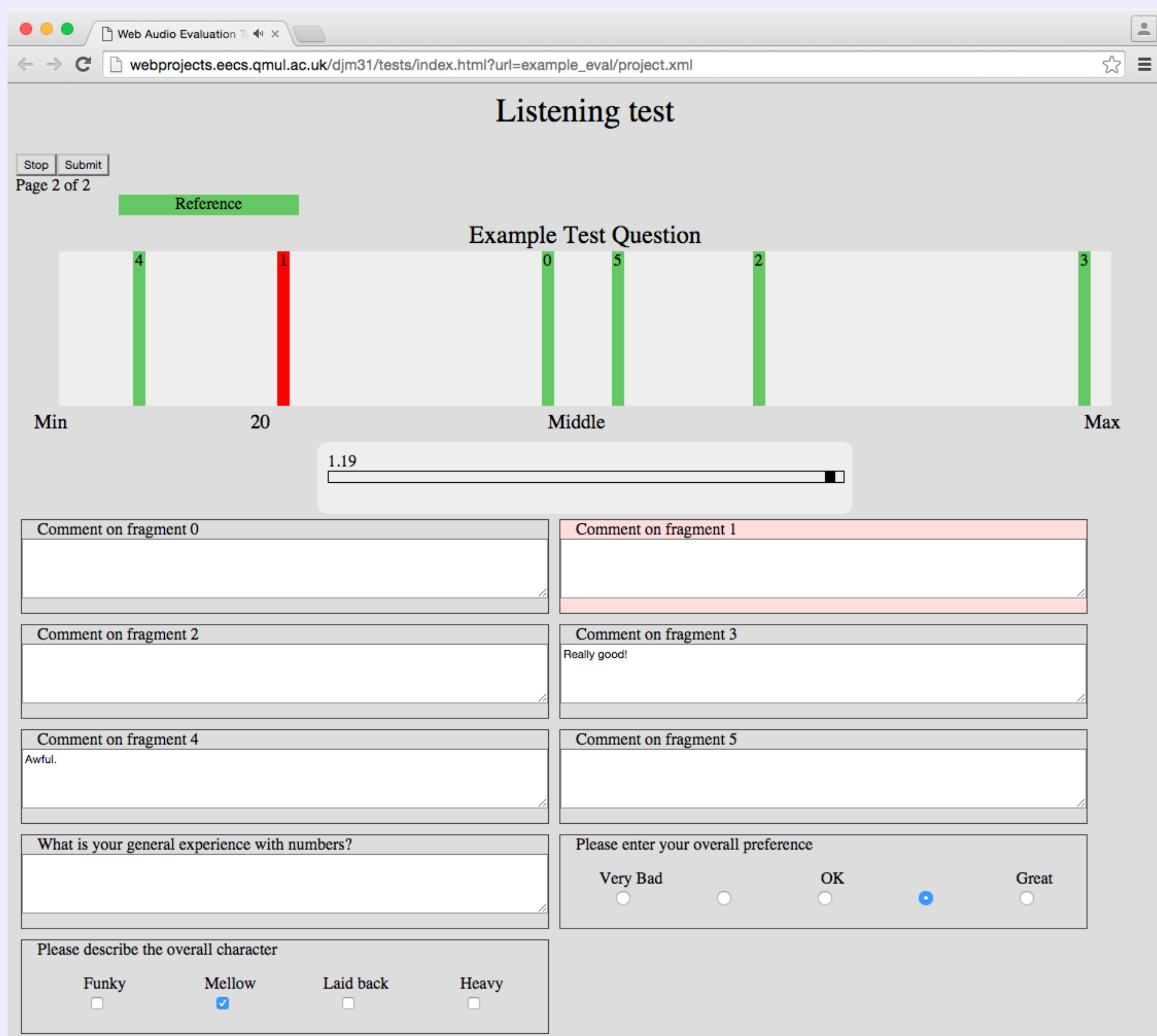
code.soundsoftware.ac.uk/projects/webaudioevaluationtool

1 Introduction

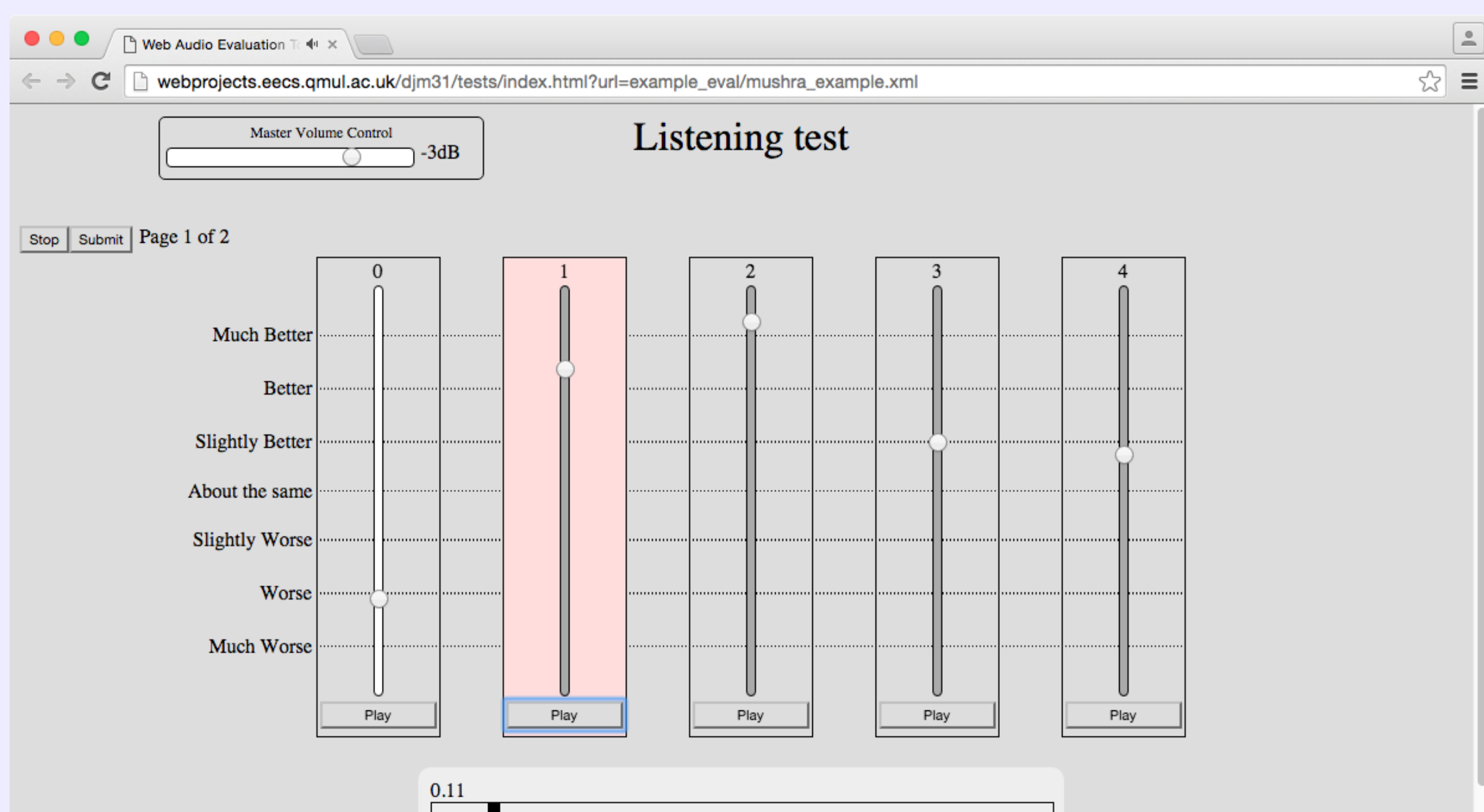
- Browser-based framework for listening tests using Web Audio API
- No proprietary software required, platform independent
- Conduct tests locally or remotely
- Automatic synchronisation and loudness normalisation
- Open source: contributions welcome
- Quick, easy, intuitive, powerful

2 Interfaces

- Wide range of easily customisable test interfaces available
- Need a specific test interface? Tell us!



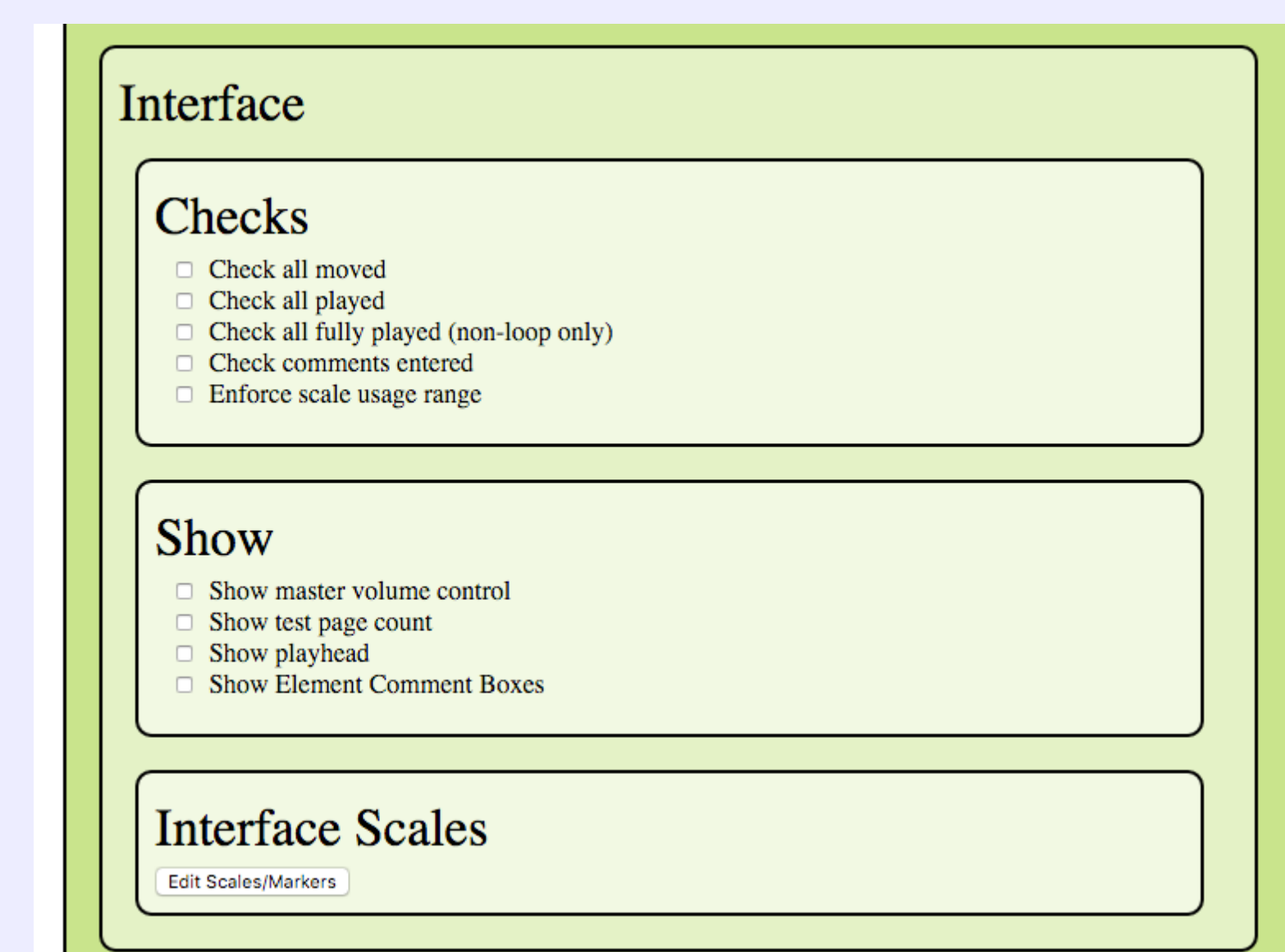
APE style test



MUSHRA style test

3 Test creation

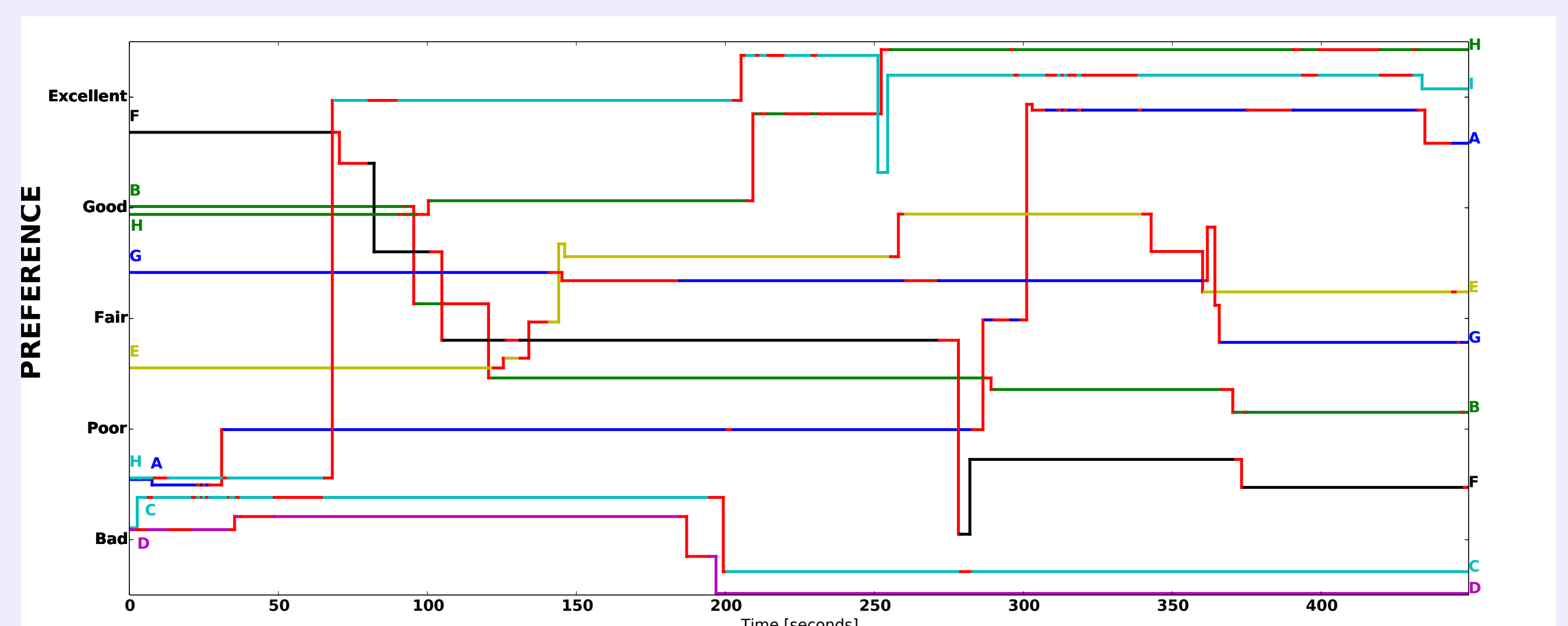
- Build your listening test in the browser
- Configuration and output files in structured XML format
- No programming required



Extract of test creator tool

4 Analysis

- Collection of session metrics for in-depth participant analysis
- Includes analysis functions to quickly present results in browser
- Box plots, confidence plots and participant time line
- Extract comments and scores as CSV/JSON/XML



Participant timeline diagram

[1] Nicholas Jillings, Brecht De Man, David Moffat and Joshua D. Reiss, "Web Audio Evaluation Tool: A browser-based listening test environment," 12th Sound and Music Computing Conference, July 2015.

