Antrittsvortrag Diplomarbeit

Party Jukebox: Supporting co-located music consumption in a public environment

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Agenda

- Motivation
- Related work
- Project thesis „Party Jukebox"
- Goals of the diploma thesis
- First round of interviews: questions and results
- Timetable

Motivation

- Music selection in a public environment
    - static (playlists)
    - DJ

→ support active music consumption

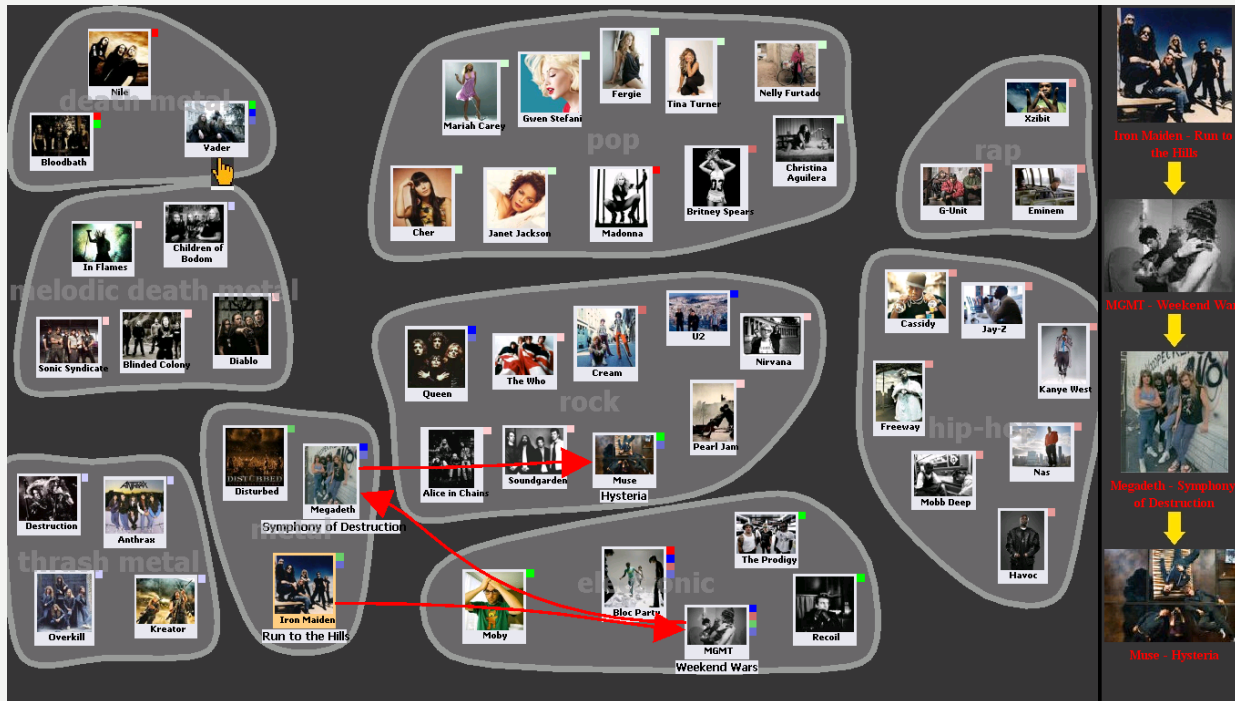→ support dynamic playlist generation

Related work

- Encourage unknown people with similar interests to communicate (BluetunA, [1])

- Voting in co-located environment

    - implicit based on pre-defined preferences (MusicFX [2], via Bluetooth [3])

    - explicit selection with direct interaction (AmbientDJ [4])

Project thesis

- Franz Berwein: „Party Jukebox: Supporting Group Playlist Generation in a Public Environment"

Diploma thesis

- Develop concepts for:
    - interaction
    - playlist generation
- Tests under „realistic conditions"
- UniLounge:
    - public displays
    - music from ipod
    - shuffle, genre restrictions

First round of interviews

- Screenshots, paper prototypes

- Focus:

  – General customer experience

  – Tests of proposed concepts:

    - List / graphical representation

    - Interaction concepts

    - Public / personal spaces

    - Different methods for playlist
      generation

First round of interviews - results

Results:

- General reception

- Concepts:

    - List / graph: depending on task

    - interaction: non-camera interaction preferred

    - public / personal spaces: information stored / presented on cell preferred, no real security concerns

    - playlist generation: „strict" selection preferred, but depending on environment

Timetable

December	January	February	March	April
prototype development				
		tests (UniLounge)		
		evaluation, refinement, tests (if nec.)		
				thesis

Thank you for your attention!

References

- [1]: Baumann, Bassoli, Jung, Wisniowski: BlueTunA: Let Your Neighbor Know What Music You Like

- [2]: McCarthy, Anagnost: MusicFX: An Arbiter Of Group Preferences For Computer Supported Collaborative Workouts

- [3]: Mahato, Kern, Holleis, Schmidt: Implicit Personalization Of Public Environments Using Bluetooth

- [4]: Komninos, Cameron, Feron, Allan, Lindsay: AmbientDJ: Enabling Interaction Between People And Socially Aware Environments