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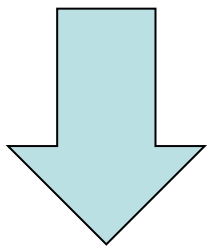
Academiejaar
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Visualization of music suggestions

Context

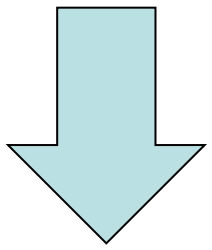
The **rationale** behind the generation of suggestions **by recommender systems** is often **not transparent** towards the end user.

Many recommenders exist, for example **music recommenders** like *Last.fm*, *Grooveshark* and *Spotify*.



The user can gain insight into this rationale through an **explanation system**.

Visualizations offload cognitive load and often are an effective way to support explanation.



Visual explanation systems have been developed to help users gain insight

Objective

- Create a visual explanation system for a music recommender system.
- Test the application through a series of user tests

Results

An explanation system for Last.fm recommendations: **SoundSuggest**

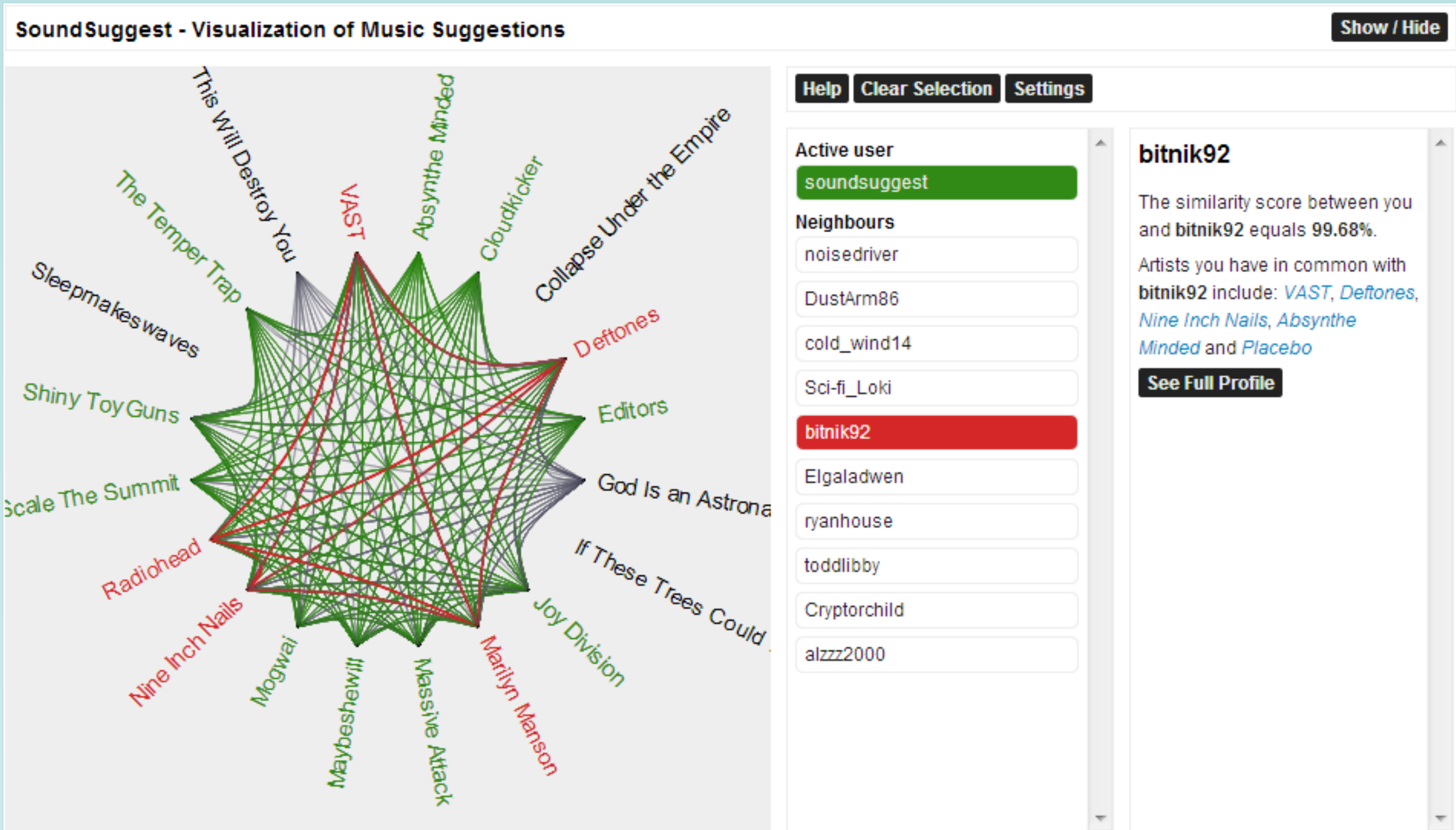
Tested through user tests

- **Think aloud protocol**
- **SUS** questionnaires

Does the application help gaining insight into the recommendation algorithm?

→ *Yes, test users were able to reconstruct the general recommendation rationale*

SoundSuggest



- HTML, SVG, CSS, JavaScript
- Chrome extension
- Data-driven documents (D3.js)
- Last.fm API