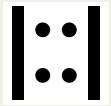


REHORSE

an app for bands

Jos van den Oever

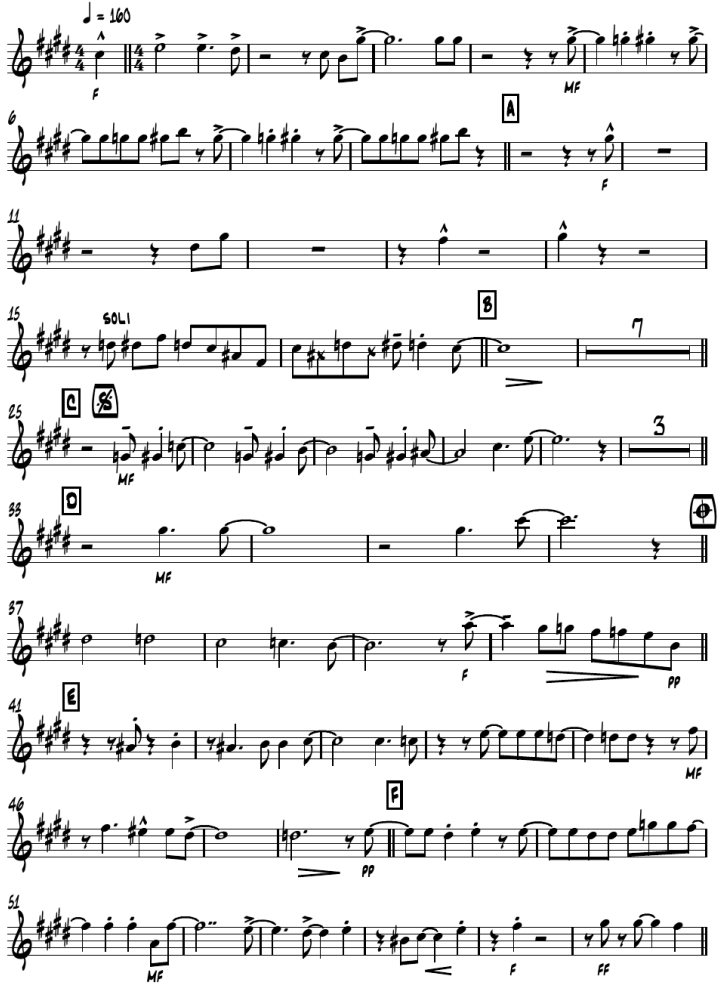
BB
Eighty-Nine
89
35
BB
Eighty-Nine
89
35
©Hardy Klink

BB89

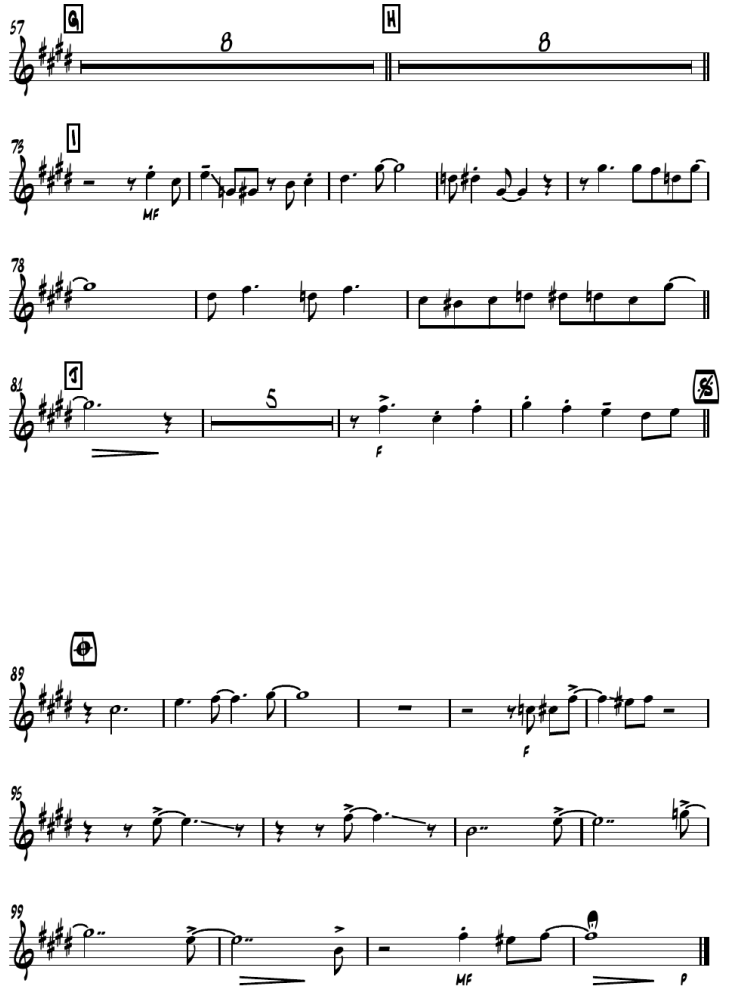
ALTO 1

JUST IN TIME

J. STYNE



ALTO 1
JUST IN TIME



Piano piece

Conductor piece

Baxter
Baxter
Baxter
Baxter

YAMAHA
Grolsch
Grolsch
Grolsch

THE PAPER ERA

- Large archive with all songs
- Heavy binders with sheet music
- Musicians only have their own score
- Time lost switching between songs
- Distributing new songs takes long
- Time lost putting songs in order for performances
- Coordinate transfer of binder to substitute player
- Sheet music become messy from all the annotations and corrections

THE DIGITAL ERA

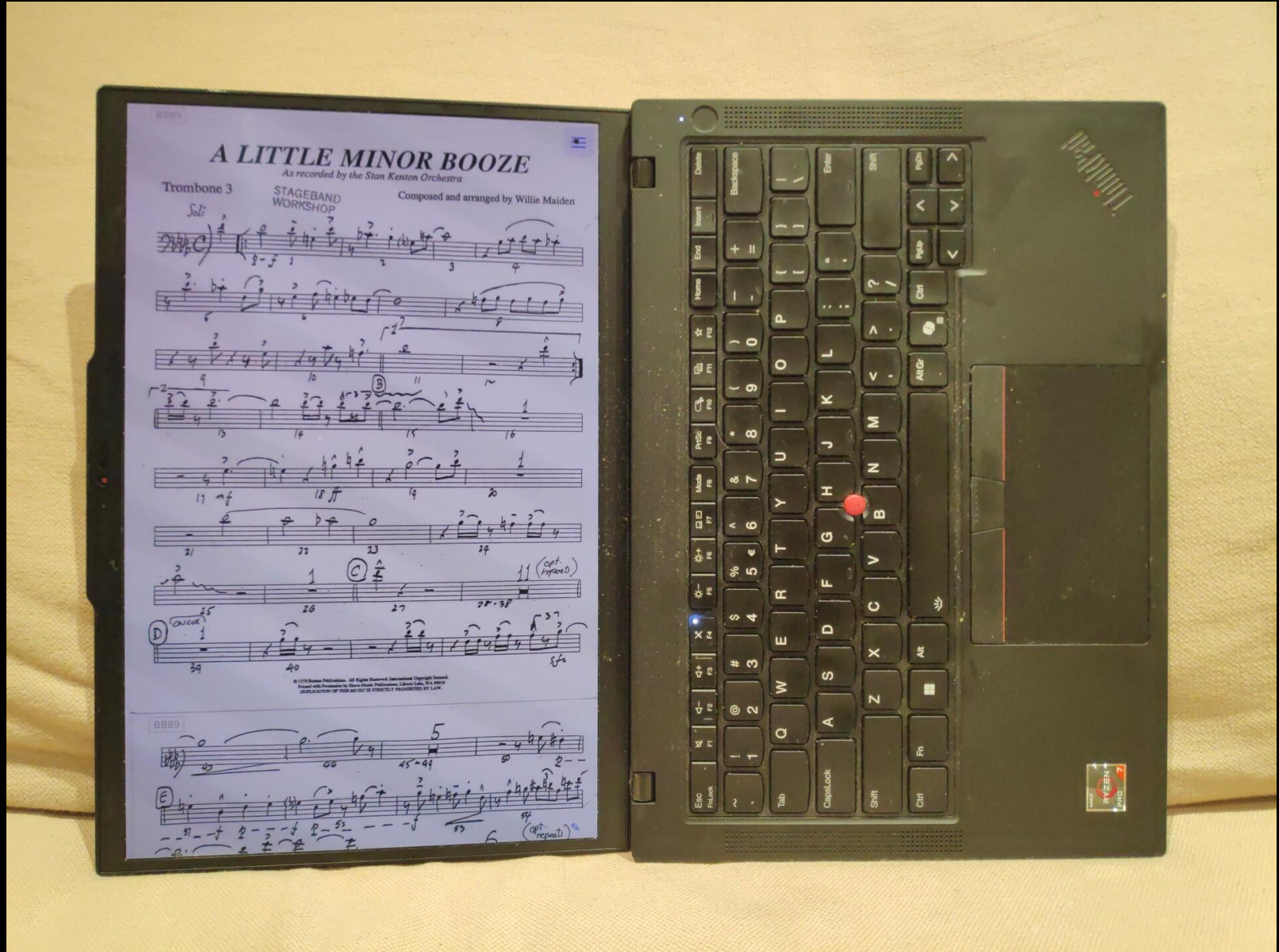
- Individuals buy tablets
- Mostly two operating systems (80/20)
- Proprietary apps for viewing sheet music
- Sheet music on cloud drive
- Annotations stored on devices

DEPENDENCY ON BIG TECH

- The most used tablets are closed
- Apps need to be approved
- App store revenue leads to decent apps initially
- Danger of lock-in and enshittification
- Feels bad to use

THE THIRD DEVICE

1) Laptop / Desktop	GNU/Linux
2) Mobile phone	/e/OS
3) Tablet	?


A LITTLE MINOR BOOZE
As recorded by the Stan Kenton Orchestra
Trombone 3
STAGEBAND WORKSHOP
Composed and arranged by Willie Maiden
Soli
BB89
BB89

THE THIRD DEVICE

1) Laptop / Desktop	GNU/Linux
2) Mobile phone	/e/OS
3) Tablet	Laptop with touchscreen
	2nd hand iPad

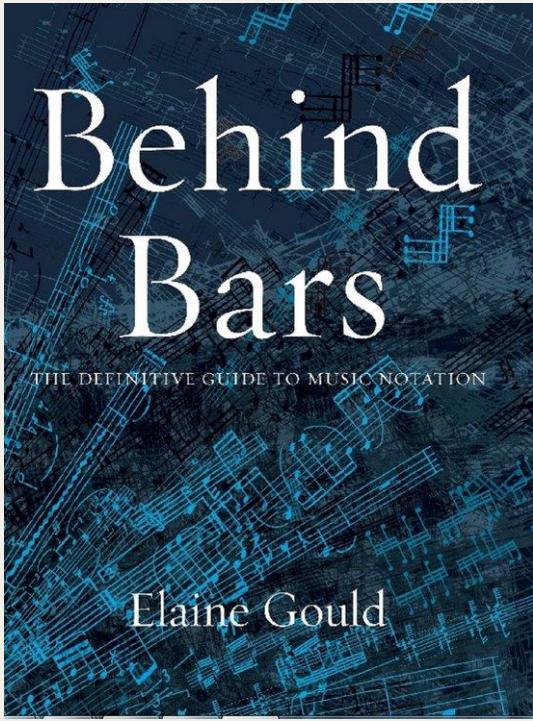
A BETTER DIGITAL ERA

- Self-host Free Software
- Independent of operating system
- Shared notes and clever library

Let’s write an app!

PREHISTORY

- App for Nokia N900
- Render music, listen to players, score the performance



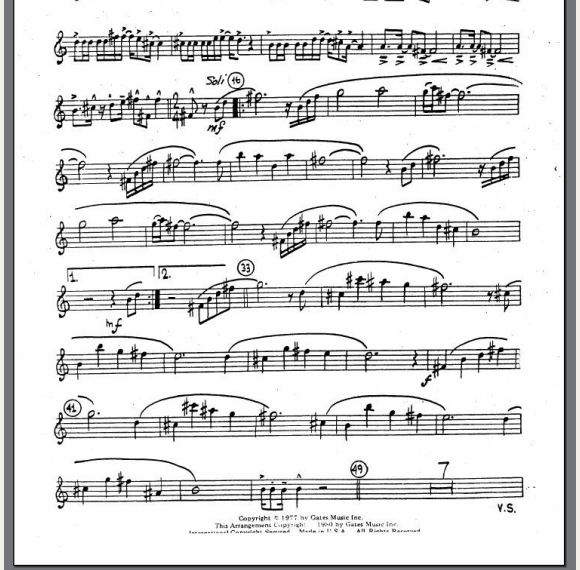
676 pages

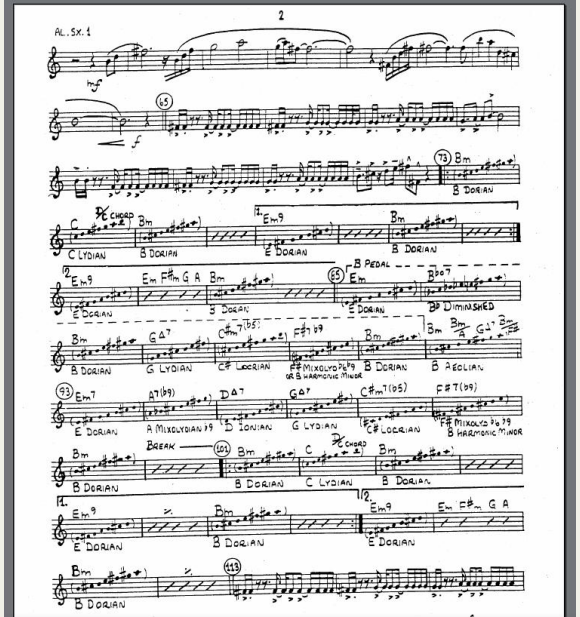
Rehorse

FOSDEM'26

PREHISTORY II

- Convert PDF files to PNG
- <img/>
- Vertical scrolling





Rehorse

REHORSE REQUIREMENTS

- Rehearse with recordings 🔁
- Music Library for Band 🗄️
  - Archive
  - Hand out
  - Share annotations
- Sheet music reader ♫

TECHNOLOGY

- Progressive Web App
- Typescript
- Vue
- pdf.js
- NodeJS
- The rest of the stack (thank you!)

PROGRESSIVE WEB APP

- Web app with benefits
- Install on Android and iOS without app store
- Run full-screen on tablets
- Keep screen on
- Write once, run anywhere
- Local storage: works offline

SERVER: NODEJS

- Typescript on client and server
- Storage: json, audio, pdf files
- Communication with HTTP and Websocket

REHEARSE WITH RECORDINGS

- Reason to start an app
- Rehearsing with audio is annoying
- Whole piece at once
- Find the parts you want to study in the recording, play, rewind
- Rehorse makes it easier

- Brussels Jazz Orchestra
- Bigband Eighty-Nine
- Fraggle Jazz
- Overig

Jos van den Oever

Bigband Eighty-Nine

- Agenda
- Playlists
- Arrangements
- Recordings

Recent pieces

Today

14:47 — (Everybody's Waitin' for) The Man with the Bag – Trombone 3

14:47 — (You Make Me Feel Like) A Natural Woman – Trombone 3

Earlier

bjo

Jos van den Oever

Recordings

Cancel

Choose audio files...

uploading...

bb89

Jos van den Oever

Recordings

Add

- 06 Making Whoopee Walter Donaldson, Gus Kahn, arr Dave Wolpe – karinajazzsinger
- 88 Basie Street – Sammy Nestico – Tomasz Momot Orkiestra
- A Foggy Day - Dave Wolpe - Twisted Swing Big Band
- Afro Blue (gedeeltelijk) - Mongo Santamaria - arr. Michael Philip Mossman
- Afro Blue - Mongo Santamaria - arr. Michael Philip Mossman - Borealis Big Band
- After You've Gone
- After You've Gone - Turner Layton - arr. Mark Taylor
- Aggressive Shuffling – Tom Kubis
- Agua de Beber - Antonio Carlos Jobim - Arr. Anita Kerr - Vocal Virus Project & Guus Tangelder Bigband
- A Little Minor Booze (Stan Kenton) – arr. Willie Maiden

REHEARSE WITH RECORDINGS

- One person sets the markers corresponding to the sheet music
- Everybody can use them

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MANAGE SHEET MUSIC

- Composition has different parts for all the players
- Each has to find their part in a collection of pdfs

MANAGE SHEET MUSIC

- One person uploads the music
- Adjust pages
- Assigns pages to parts
- Watermarks added to each pdf
- Everybody download their parts from zip
- Or uses the embedded viewer

Arrangements

Details Add

- **'Deed I Do** / composed by Fred Rose / arranged by Quincy Jones / words by Walter Hirsch
- **'S Wonderful** / composed by George Gershwin / arranged by Dave Wolpe / words by Ira Gershwin
- **(Everybody's Waitin' for) The Man with the Bag** / composed by Irving Taylor Dudley Brooks Hal Stanley / arranged by Rick Stitzel / words by Irving Taylor Dudley Brooks Hal Stanley
- **(You Make Me Feel Like) A Natural Woman** / composed by Gerry Goffin Carole King Jerry Wexler / arranged by Paul Murtha / words by Gerry Goffin Carole King Jerry Wexler
- **88 Basie Street** / composed by Sammy Nestico
- **A Foggy Day** / composed by George Gershwin / arranged by Dave Wolpe / words by Ira Gershwin
- **A Little Minor Booze** / composed by Willie Maiden / arranged by Willie Maiden
- **A Minor Affair** / composed by Sammy Nestico / arranged by Sammy Nestico

(You Make Me Feel Like) A Natural Woman

Edit

composed by Gerry Goffin Carole King Jerry Wexler

arranged by Paul Murtha

words by Gerry Goffin Carole King Jerry Wexler

- Trombone 3
- Trombone 1
- Trombone 2
- Bass trombone
- A Natural Woman - Carole King - arr. Paul Murtha

bb89 / arrangements Jos van den Oeve

Edit arrangement

Save

Cancel

(You Make Me Feel Like) A Natural Woman

Gerry Goffin × Carole King × Jerry Wexler ×

Paul Murtha ×

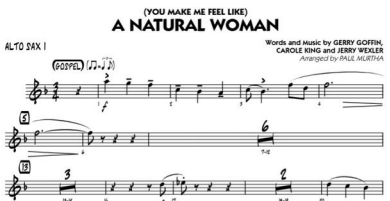
Gerry Goffin × Carole King × Jerry Wexler ×

Version

A Natural Woman - Carole King - arr. Paul Murtha ×

Choose pdf files...

Upload



Conductor

BB89 A natural woman.p

0°

2

14

Female vocals

BB89 A natural woman.p

0°

15

17

Alto saxophone 1

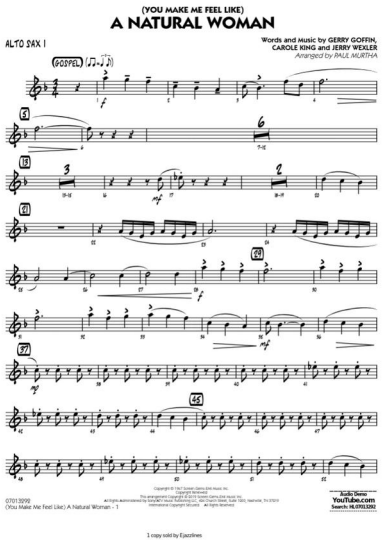
BB89 A natural woman.p

0°

18

Choose pdf files...

Upload



Conductor

BB89 A natural woman.p

0°

2

14

Female vocals

BB89 A natural woman.p

0°

15

17

Alto saxophone 1

BB89 A natural woman.p

0°

18

Concerts

Add

zondag 7 december 2025 om 11:30

zaterdag 20 september 2025 om 19:30

maandag 21 april 2025 om 12:00

zondag 13 april 2025 om 12:45

dinsdag 3 december 2024 om 10:00

zondag 3 november 2024 om 11:30

zondag 1 september 2024 om 15:00

vrijdag 22 december 2023 om 20:00

vrijdag 3 november 2023 om 20:00

zondag 10 september 2023 om 15:00

vrijdag 23 juni 2023 om 20:30

Rehearsals

Add

zaterdag 20 september 2025

Message

Edit

Start	19:30
End	22:00
Location	Theater De Voorveghter Hardenberg
Remarks	Vechtdal Jazz

Playlist

Download

- Trombone 3 — 9 files
- Trombone 1 — 9 files
- Trombone 2 — 9 files
- Bass trombone — 9 files

- Prime Time
- Crazy Little Thing Called Love
- Just Friends
- Love for Sale
- L-O-V-E

USER MANAGEMENT

READ AND ANNOTATE

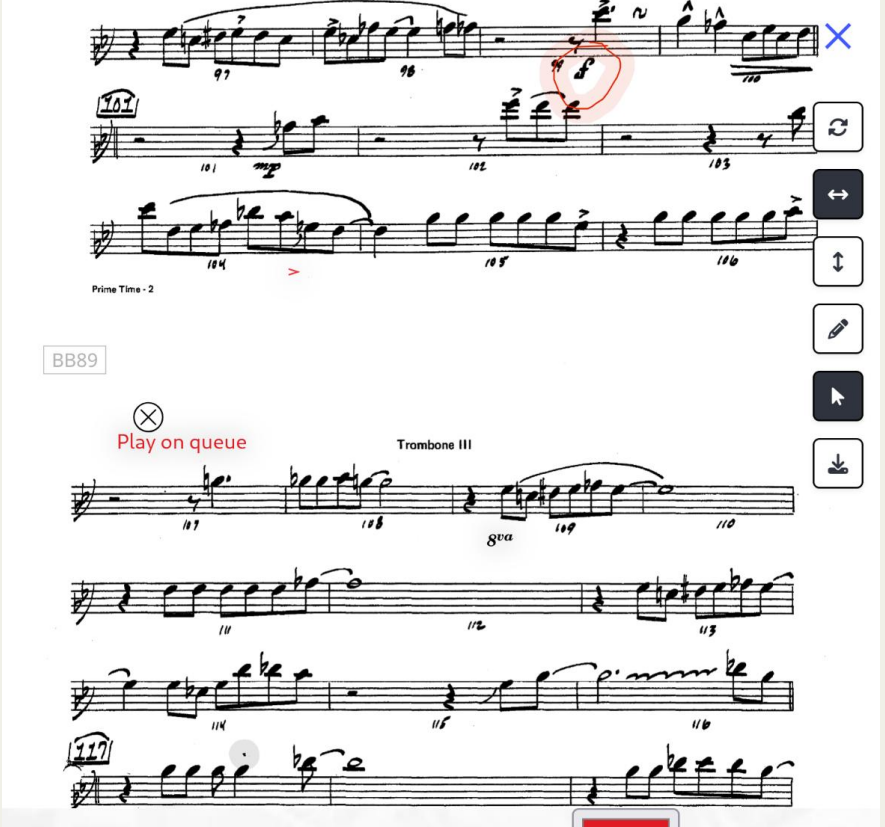
- Render pdf with pdf.js
- Annotations on top with svg
- Use special music fonts (standardized)
- Vertical scrolling
- Works offline

Prime Time

Edit

composed by Sammy Nestico

- Trombone 3
- Trombone 1
- Trombone 2
- Bass trombone
- Count Basie - Prime Time – johnnystaccata



dividual notes | Metronome marks | Octaves | Repeats

Font size: - 11 +

Play on queue

with background

8 | 8va | 8va | 8ba | 15 | 15ma

15ma | 22 | 22ma | 22ma | (|)

8vb | 15mb | 22mb | bassa

THE FUTURE

- Fix paper cuts
- Keep working on newer devices
- Documentation, easier installation
- Maybe a website
- Organic growth

THANK YOU!

Rehorse

FOSDEM'26