

“THE WORLD’S A STAGE “

**PITCH FOR DCI HACKATHON
04/2019**

Stefan Wruck, FBW-12

„The world's a stage“ - Twas-Music - Pitch for DCI hackathon 04/2019

This is the description of a Project, that I would like to pitch for the upcoming Hackathon. I know, this is a little longer than one sentence, but I hope the idea becomes even clearer this way ;-)

Basically it is supposed to connect musicians and help them create music together, as well as people, who just like to sing and feel part of a bigger entity.

Idea so far:

Users register in a github-like environment „Twas-Music“

They can create an „About me - page, where they can enter informations about themselves, like bands they like, what instruments they play, their age and so on ...They can also add photos or videos of themselves, so other musicians, who might want to join their project in real life see them perform.

If they *want* to, they can add the possibility to be contacted directly by other users. (Users can be filtered by these informations, in case you want to only to hear projects of a certain style or person, yet there also is a random function to get to know new stuff.)

The „songProjectCreator“ starts a new Project, giving it a title (here „Goodsong“).

He or she creates either a whole song with full arrangement, a basic song with just one or two instruments or just a part of a song (like a verse or a Refrain) (preferably created to a clicktrack, so the tempo is consistent) and uploads it.

Important > If without copyright-infringement, this can also be a cover-version.

Alike in Github, the song now can be listened to in its current form on the Twas-Music Projects livepage. (You do not have to be registered to do so)

Other songProjectMembers now can listen to this song while playing an instrument, or just sing along to it right into the microphone of their phones.

Advanced users also can download the Project's trackfiles to do that on their recording-systems (like Cubase or Reaper or else), if they filed a pull-request to the songProjectCreator and he or she accepts that.

(The songProjectCreator can set this as a default, so he/she does not have to answer every single request).

Advanced users can also upload another part to the existing Project, like a Bridge, a Refrain, an Intro etc ..

(Those entries have a special flag and the songProjectCreator is receiving a notification, since the amount for this probably being much less)

The recordings being made are stored in folders named like the user, who created them, while also writing a json file containing at least the original title and creator.

Advanced users now can make their own mixes of „Goodsong“ and listen to them/make them public.

songProjectCreator can always mix all the tracks added to the „Goodsong“-Project and make them public.

Reasons to create this:

Musicians all over the world can get to know each other and work together on song, no matter, where they live.

They can then even contact each other and start a project in real life.

The world choir:

A lot of people like to sing. Here, this can be recorded and listened to afterwards, while your voice being either part of a big choir (kind of in a flashmob way) or the only one in that song.

Making Music together creates a bond. You might want to get to know the person, who's voice you sing along to. All kinds of relationships can subsequently arise and you can get into further contact with your collaborators.

Problems that might have to be solved::

Legal:

What about copyrighted songs/Covers?

Who owns the recorded files?

Technical:

How do I store the exact starting point of songProjectMembers' tracks, so they will automatically align perfectly?

How do I create an easy way to auto-mix the files created?

Resume:

I think the app could be a good new way for professional or passionate musicians to create new musical bonds as well as an easy way for people, who just want to be part of a bigger entity and very easily have the possibility to download a song that they as well as many other people from all over the world worked on together.

I can imagine a platform like this could be used by bands and musicians like they once used myspace-pages, just with added functions.

Just imagine U2 having a twas-account promoting their next single by creating a new project, where you could sing along to their song, later having an opportunity to download that very file, sharing it with your friends. It could be another means of promoting bands (here: the original song, which you could buy through a link)

Functions to be included in MusicListenBack component:

Auto Mixer

Myinstr Up Button (->currentuser.recordingVolume.addVolume(10%))

choirMeUp Button (->currentuser.recordingVolume.addVolume(10%))

Functions to be included in MusicRecord component:

Midi Implementation

Lyrics Implementation (scrolling)

Structural Ideas:

Band Channels

Musician per Instrument Channels

Shop

Options:

Submit your Lyrics

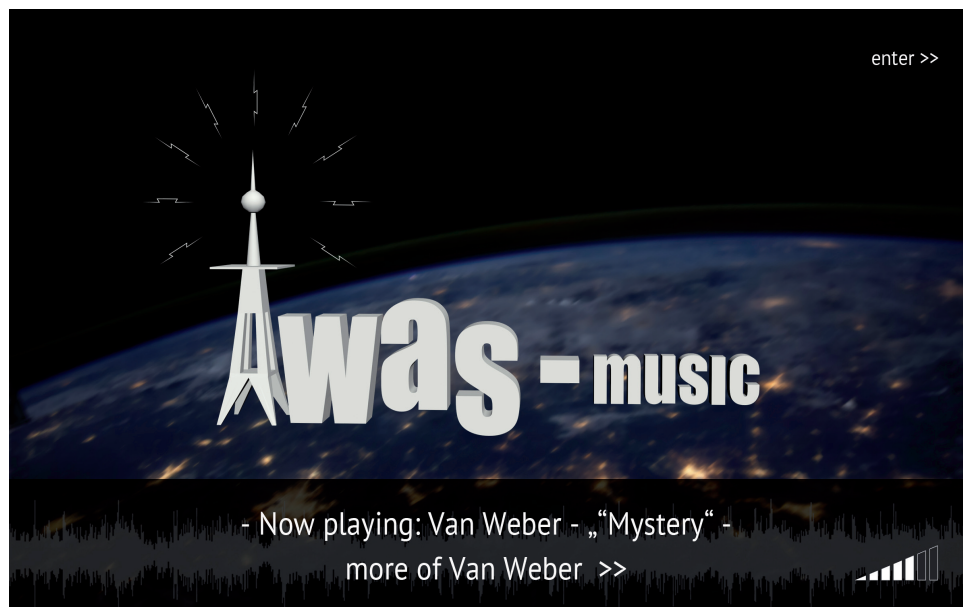
Marketing Ideas:

Get Reaper on board as a Sponsor (Traffic and Support cost money)
by maybe adapting a design alike reaper

Possible Functions on Landing Page:



"The world's a stage" - fades out and "Now playing: Song XY - by Band YX appears" a "More of"



The graph in the underlying layer starts to move and the volume-bar and more of Button appears

Team needed:

I think, besides having people in this team, who are good at Designing and scripting , it would also be very good to have some people on board, who have an insight in how music is created and published these days. like musicians or bookers etc. Furthermore, i think the social-media aspect of the planned app is something to be talked about.

Ressources found so far:

MultiMix:

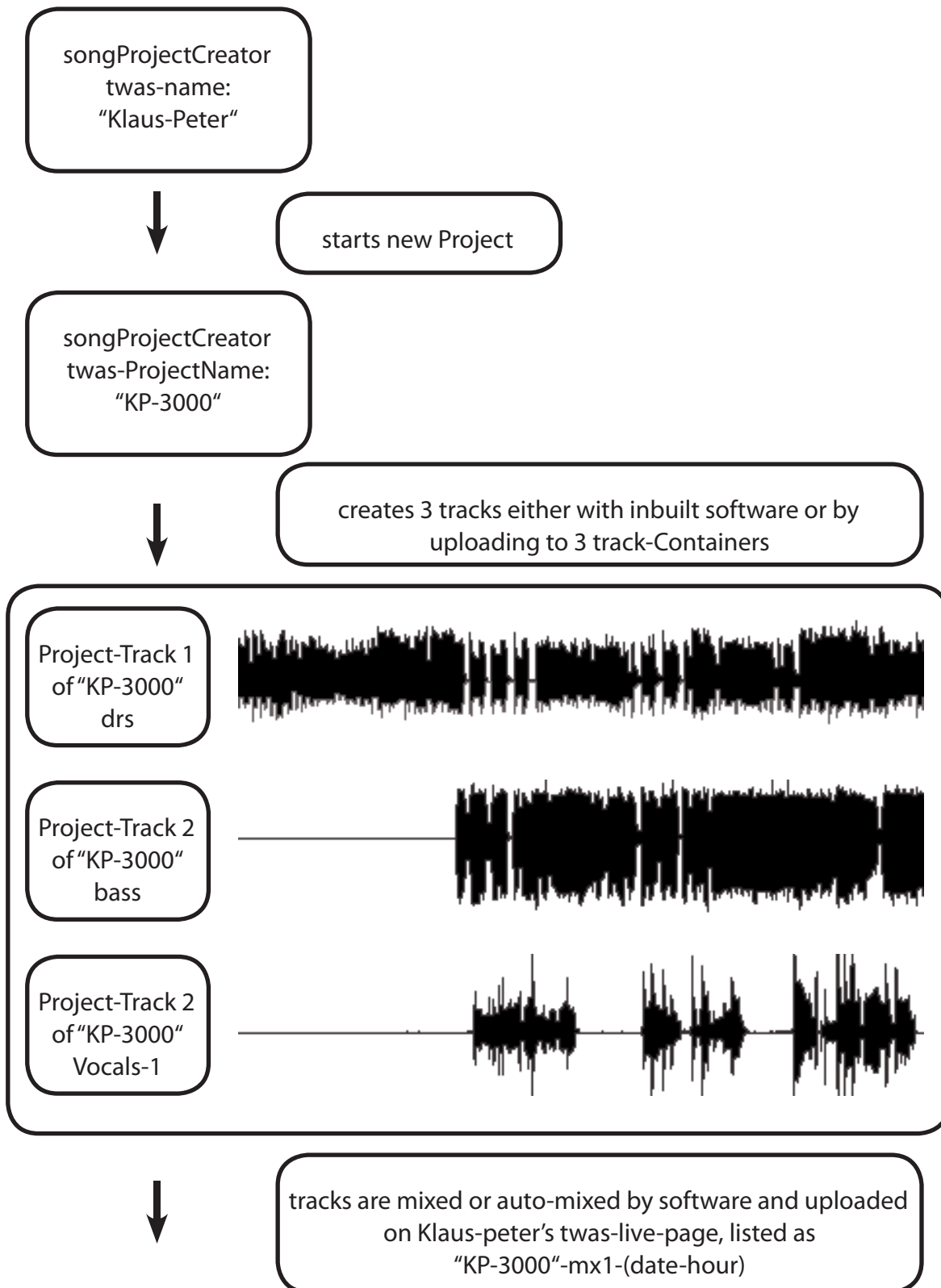
<https://github.com/naomiaro/waveform-playlist>
<https://github.com/kevincennis/Mix.js/tree/master>
<https://github.com/alexanderwallin/multitrack-audio-element>

Recording:

<https://github.com/bryanjenningz/record-audio>

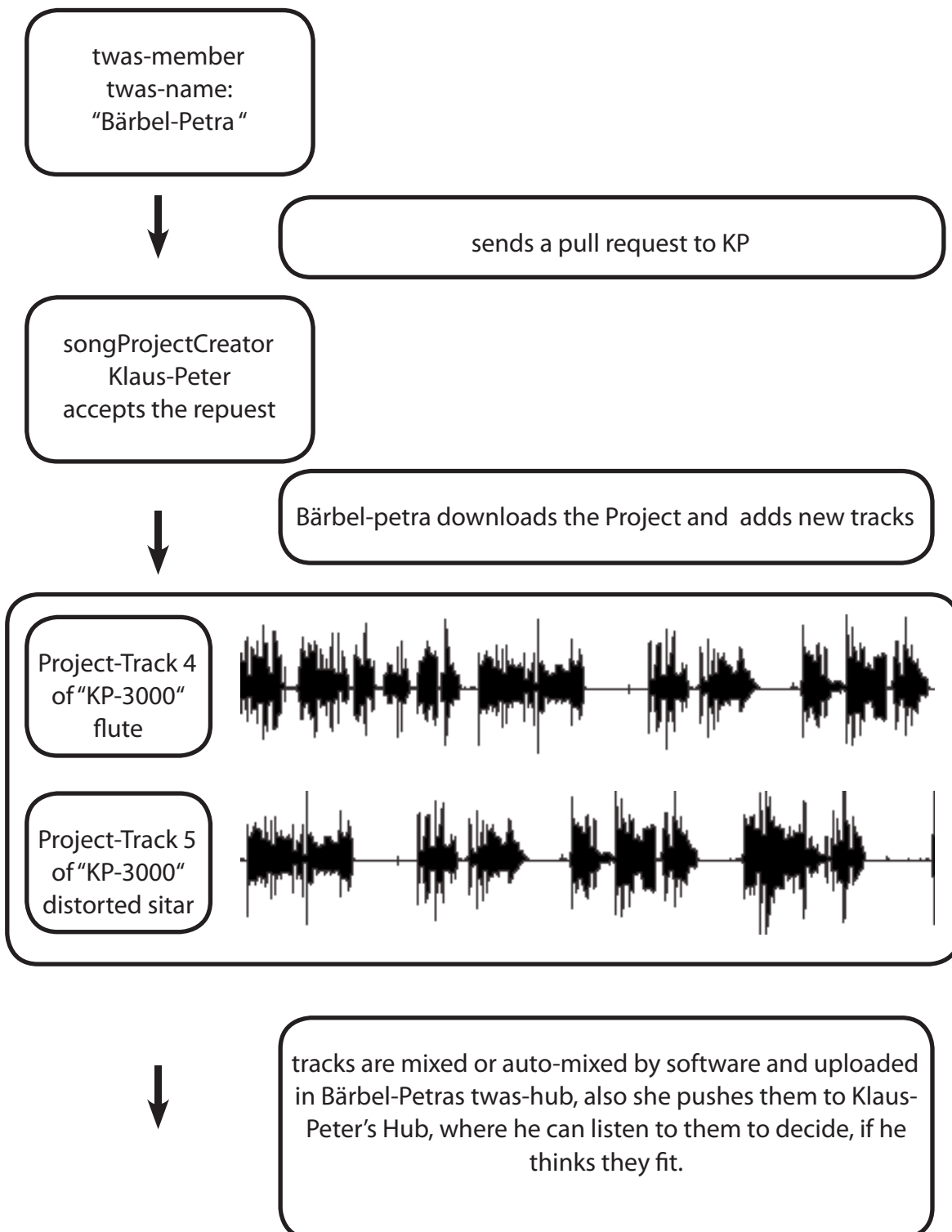
Possible workFlow Example:

Klaus-Peter (from here on referred to as "KP") creates his twas-Account.
Among other things, he chooses one or various styles, that he thinks describe his musical style. Those choices are stored. Other users later can look for specific attributes Musicians should have, that they want to work with.



Possible workFlow Example continued

Bärbel-Petra (from here on referred to as "BP") has already created an account. She looks for other musicians/Projects whose music are flagged with attributes she chooses from a list, or she lets the page look for similarities to her own musical style. She finds similarities: "Blastbeats", "Polka", "Wave", "Orchestral", "Hair-Metal" and "Worldmusic". She's gonna give it a try, clicks on KP's twas-live-link for "KP-3000" and listens to the song-fragment. She's good to go.



Possible workFlow Example continued (2)

Since KP accepted BP's pull request, they now can contact each other through twas, since KP allowed direct contact to PullRequestMembers in his settings.

He likes her tracks and adds them to his Project. The song is mixed (or auto-mixed) and put up on his and her live-page. The contribution of BP and the link to her account are mentioned in the description of the file. Interested people now can download the song for a small fee or add another pull-request themselves, until the songProjectCreator marks the Project as finished.