

1 - 1

Useful Resources

GOALS / EPICS
>>>

Menu with options

John

[23] Suggest
Music by current
track

Suggest Music by
parameters

USER STEPS
>>>

Opens
SoundByte

May pick between
3 modes. These
are suggestions,
criteria search, &

Select Automatic
Suggestion

[23] Upload Track

Upload Playlist or
run with provided
dataset (should
be a

Await result(s)

Accept/reject
oncoming
suggestion(s)

Select song
parameter menu

MVP

USER STORIES
>>>

User can open a
desktop app

Simple menu,
pick between 3
options

Option is present
in main menu

[15] "upload" or
set as being the
input for machine
learning algorithm

Client-side
equivalent. Start
with one, strict
dataset

Fast/Accurate
Results
Necessary

User may set how
many suggestions
appear at once
(via suggestion

User reviews
parameter options

Advanced
settings Menu (for
dataset, training,
tracklist, etc)

User selects
automatic or
parameter based
suggesting

[8] Remove
product

User downloads
dataset with app
and runs with that
directory

Initial backend will
be part of full
download

New alternative
suggestions
appear after
rejecting prior

Dataset should
already be
trained, unless
dataset is new

Option to run
again

Release 2

User can open an
android App

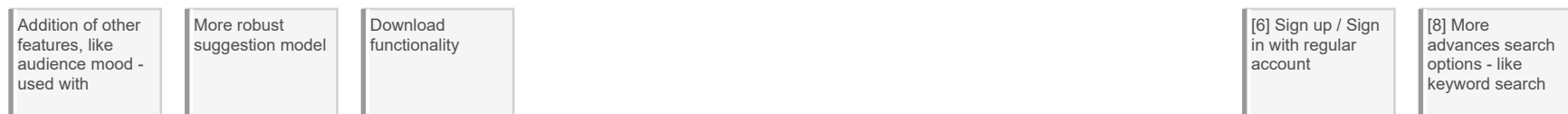
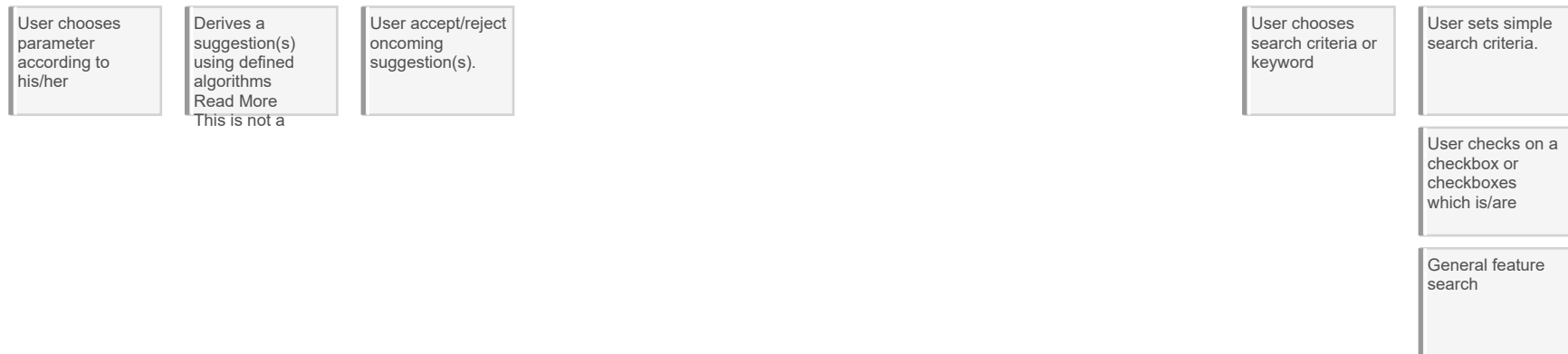
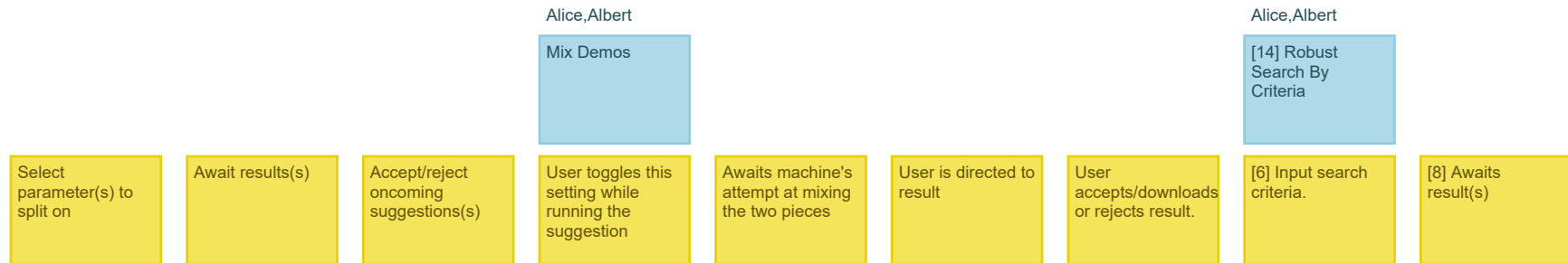
Backend
API/Database for
taking user input
and querying

Backend
API/Server. User
may instead use
server-side

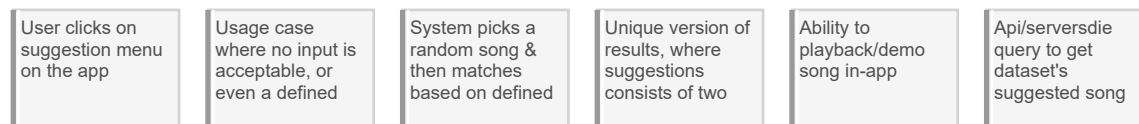
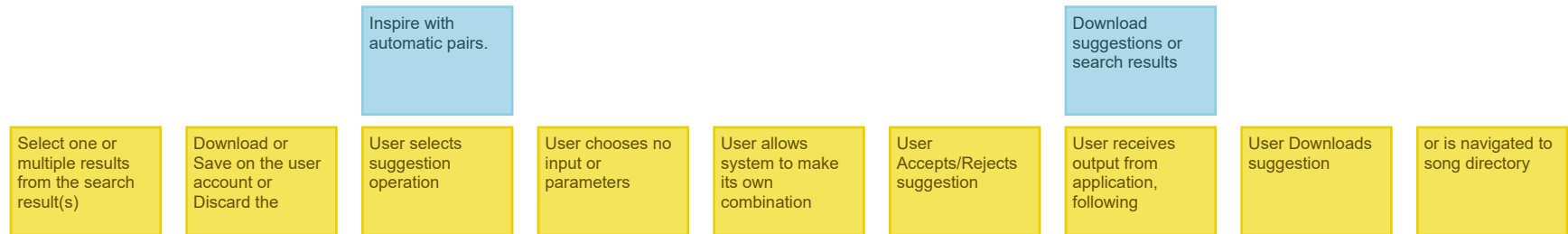
Requests for
suggestions are
server-side -
reducing load

Option to run
again with
different settings
(without having to

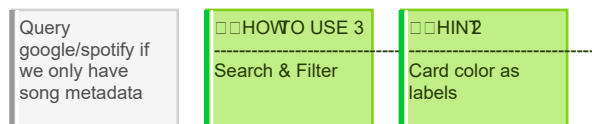
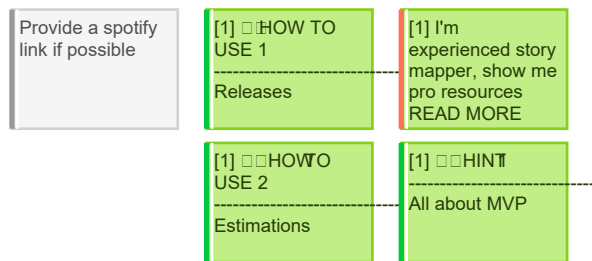
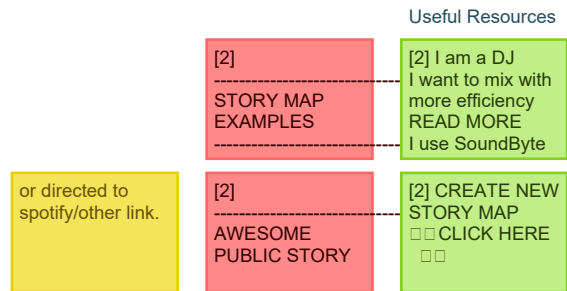
1 - 2



1 - 3



1 - 4



2 - 1

More robust
suggestion Model

Release 3

Unscheduled

User can open an
ios app

Ability to upload
personal library

Save search preferences

User checks on suggestion results

Server-side algorithm used to mix two tracks.
Read More
These tracks are

User may playback the result

User accepts/rejects the result

User confirms to mix the suggestions which are chosen

ability to name/set metadata

User downloads the result (uses similar logic as other downloads)

Presented as an optional, out-of-the-way utility

2 - 3

Ability to
download each
song

Spotify query for
each song

Song is
downloaded to
preset result
folder

Song is
downloaded to
user-defined
folder

2 - 4

