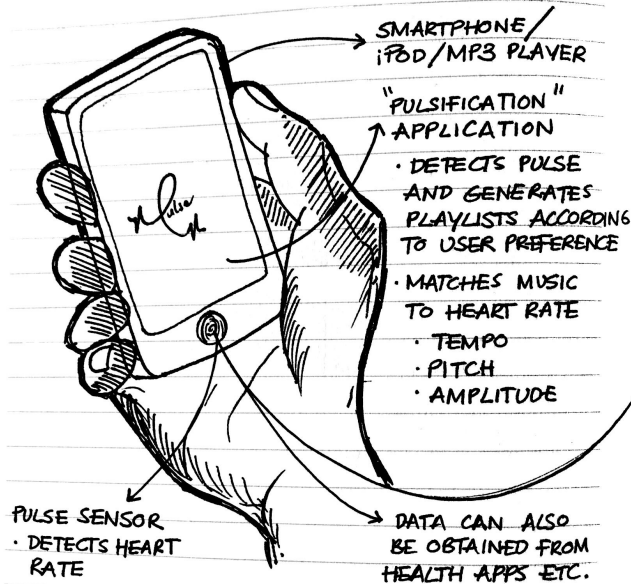# CREATIVE EXPRESSION

Collection of spontaneous ideas that develop applications, interfaces, spaces and/or products

Pulsification

Generates music and playlists based on the user's
interal physiology. Synchronizes heartbeat to pace of music to create
a more vivid audio experience
Application

Pulsification
MUSIC APPLICATION

SMARTPHONE /
iPOD/MP3 PLAYER

"PULSIFICATION"
APPLICATION
· DETECTS PULSE
AND GENERATES
PLAYLISTS ACCORDING
TO USER PREFERENCE
· MATCHES MUSIC
TO HEART RATE
· TEMPO
· PITCH
· AMPLITUDE

PULSE SENSOR
· DETECTS HEART
RATE

DATA CAN ALSO
BE OBTAINED FROM
HEALTH APPS ETC.

MUSIC ENHANCES/INTENSIFIES
PRESENT mood! PEOPLE
RELATE MORE TO MUSIC THAT MATCHES
THEIR MOOD (HEART RATE: PHYSIOLOGICAL
REPRESENTATION)

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APP DEVELOPMENT:

OBTAIN PULSE - EXTRACT DATA
→ MATCH HEART RATE TO MUSIC TEMPO
→ GRAPH HEART RATE

AMPLITUDE → LOUDNESS
FREQUENCY → PITCH

GENERATE PLAYLIST:
→ PARSE THROUGH LIBRARY, MATCH
TEMPO, AMPLITUDE & FREQUENCY
(USER CAN SET +/- ACCURACY)

FEATURES:
→ IMPROVING MOOD
PLAYLISTS
· PRESENT TEMPO,
AMP., FREQ. FOR
HAPPY MOODS
· PLAYLIST MOVES
FROM CURRENT
HEART RATE DATA
TO PRESET DATE
· HEART RATE ALSO
CHANGES

Pulsify

HEART RATE
AMP.   STATS
FREQ.

MOOD   SAVE
                  ETC.
0:00
0:00   PLAYLIST
0:00   SETTINGS

PROFILE   LIBRARY   HOME   DATA
                            SOURCES

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