Media Creation By Conversion

Minimum Viable Product

Create an Android app that can be downloaded from the Google Play Store and transforms a chosen media file and allows users to save it.

The front-end will be complete according to the design.

The back-end will convert images, and the other features will be added as time permits.

GENERAL APP DESIGN

* Appearance:
  + App icon that Data Doppelganger designs
  + Dark mode, no light mode option
  + Extreme ease of use

FRONT-END

MAIN PAGE

* Data Doppelganger logo with buttons surrounding it
* Buttons
  + Tutorial that explains uses of the app
  + User created example results
  + File input
  + Conversion settings menu
  + Execute conversion

DISPLAY AND EDITING OF RESULTS PAGE

* Display result after conversion of media file type: text, image, video, sound
* Buttons
  + Reset to original file
  + Undo previous action
  + Apply previous action again
  + Apply default conversion to result
  + Save result

BACK-END

CONVERSION SETTINGS MENU

* Change algorithm for converting from / to the following media file type
  + Text
    - Character / word / sentence / file length
    - Character / word frequency
    - Capital letter frequency
    - Vowel frequency
    - Page / paragraph number
    - Relevant words
  + Image
    - Pixel / row / column count
    - Pixel / row / column color frequency
    - Pixel color
  + Video
    - Lots of random images strung together
    - Generate an image then change it slightly for effects
  + Sound
    - Tempo
    - Instrument(s) / sound clip(s)