CONCEPTUAL DESIGN

APHELION MUSIC

MUSIC GENRE CLASSIFIER

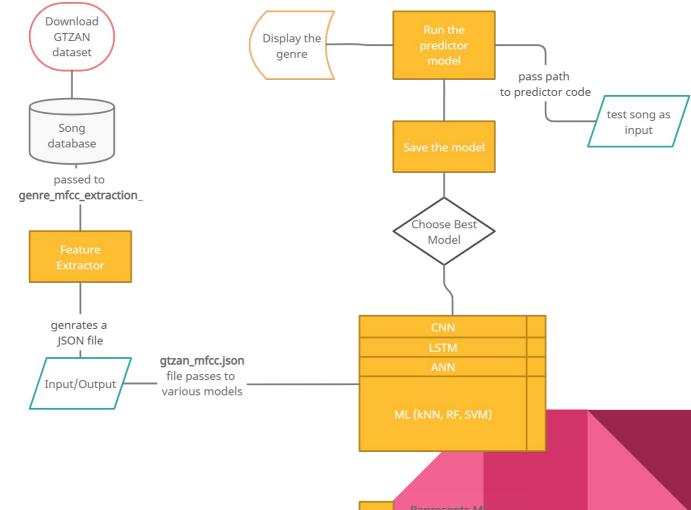
STEP 1 STEP 2 STEP 3 STEP 4 STEP 5

We have to download the GTZAN Dataset which is popular for Music Genre Classification Next we need to extract the MFCC features from the dataset and store it in a .json file so that we can use this for training our ML models

Try out a couple of models namely: ML (kNN, SVM, random forest etc.), RNN, ANN,LSTM and CNN. Independently check each model performance and save the best model.

Program is tested for all the inputs as well as unit test is incorporated into the modelling and program User interface program is created which user the user will interact with. It will classify any song provided by the user

Project High-Level Planning



based functionalitie

