Abhay & Kartik

Music Recommendation System Based on Emotion (Moodify / VibeFinder)

Frontend ⇒ HTML, CSS, JavaScript, React JS

Backend ⇒ Django, Python, AI/ML

Database ⇒ SQL with MySQL

Admin Dashboard ⇒ HTML, CSS, JavaScript, ReactJS

Flowchart

HTML

CSS

Web Interface

JS

React

Uploads Img

Image Stored

Model 1

Emotion

Play Recommendation

Model 2

User

Login | Register

Recommendation

Recommendation Stored
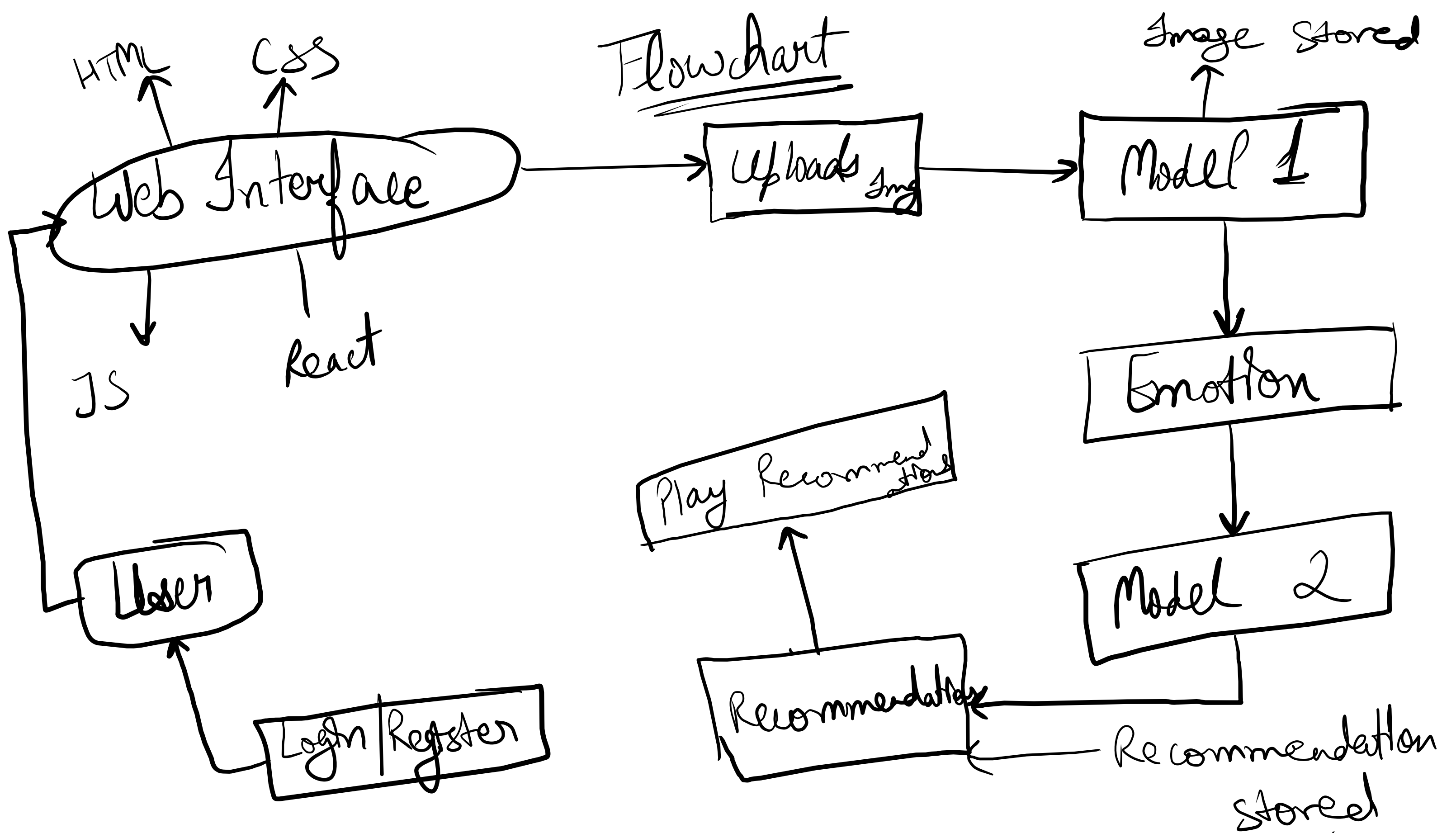
Recommendations

Create Playlist

Add New Song /
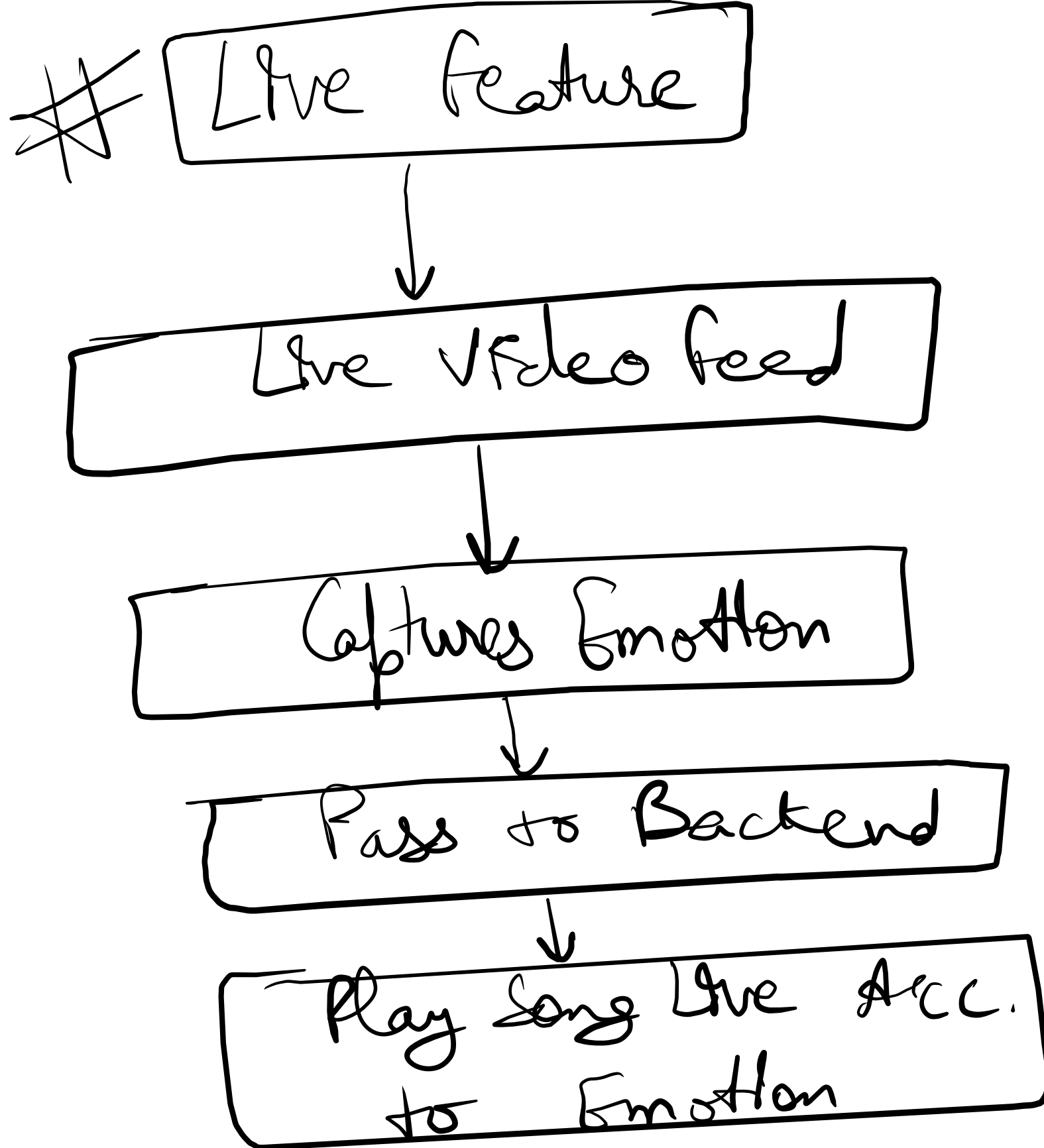Delete Any Song
from
Playlist

Play any Existing
Song from Playlist

Past Recommendations

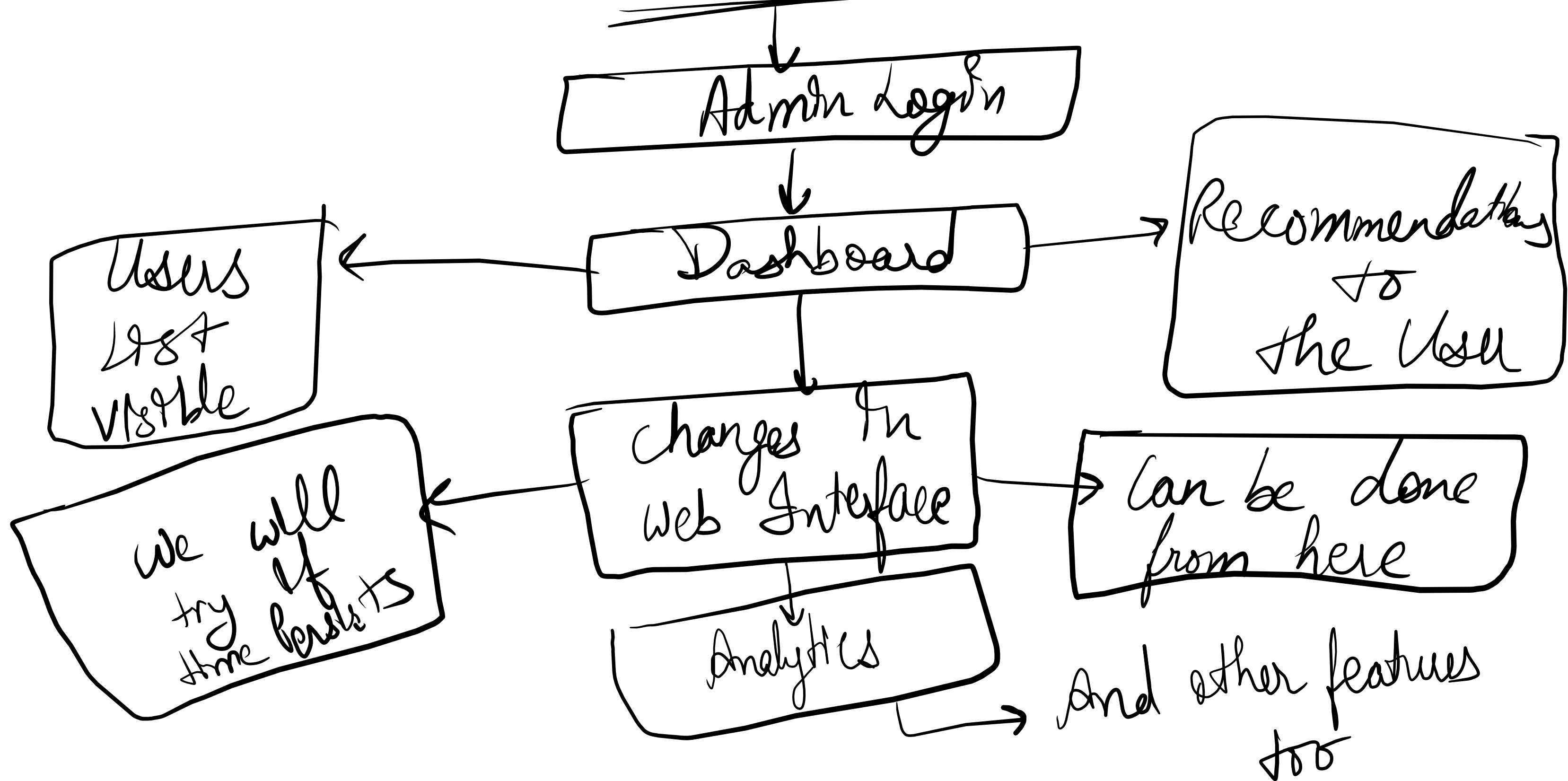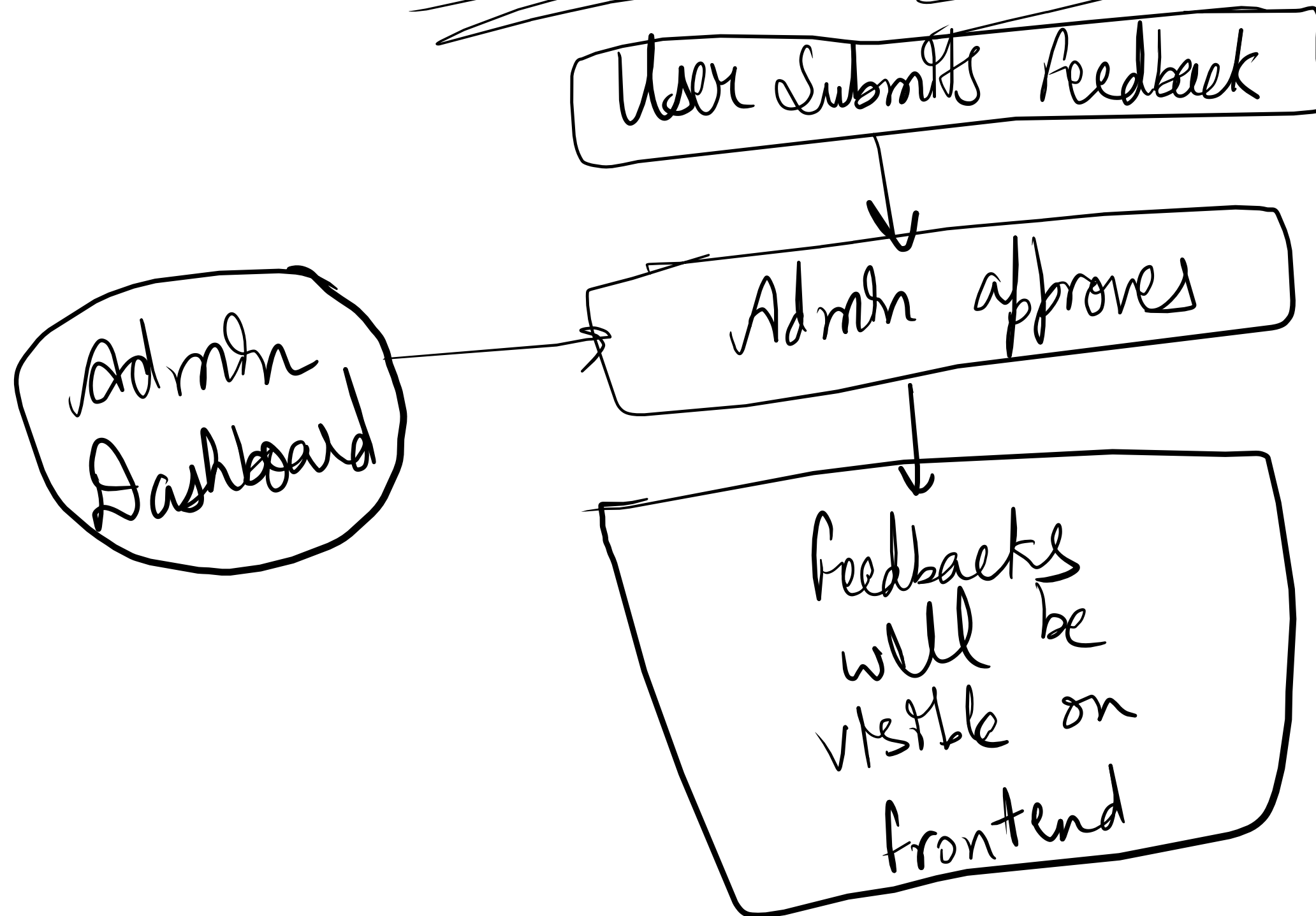Can be accessed
by User
In Profile
Section

As the emotion will change, Accordingly the Music will change

Live Feature

Live Video Feed

Captures Emotion

Pass to Backend

Play Song Live Acc. to Emotion

Admin Dashboard

```
Admin Dashboard
      |
      v
  Admin Login
      |
      v
   Dashboard ----------> Recommendation to the User
      |         
Users List Visible
      |
      v
  changes In Web Interface ----------> Can be done from here
      |         |
      v         v
we will try If  Analytics -----> And other features too
time persists
```

Feedback functionality

User Submits feedback

↓

Admin approves

Admin Dashboard →

↓

Feedbacks will be visible on frontend

We can add a functionality that Admin can reply

Any other features will be appreciated

1. We can implement Email functionality on various steps where necessary.

2. We can implement a functionality that user can export the past recommendations as report in CSV format.

3. We can create a basic PDF design to send along with email.

4. Any other functionality, just think of it.

Thanks

Parthav